U.S. Department of Transportation Federal Aviation Administration

Washington, DC

Master Minimum Equipment List (MMEL)

Revision: 15 Date: 08/03/2017

Embraer ERJ-170-100/200, ERJ-190-100/200, ERJ-190-100 ECJ

Commercial Designations: EMBRAER170, EMBRAER175, EMBRAER190, EMBRAER195, LINEAGE 1000

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MASTER MINIMUM EQUIPMENT LIST

FEDERAL AVIATION ADMINISTRATION

AIRCRAFT: REVISION NO. 15 PAGE NO. ERJ-170, ERJ-190 DATE: 08/03/2017 I

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ERJ-170, ERJ-190	II								
Н	HIGHLIGHTS OF CHANGE								

The following changes are the highlights of changes for Revision 15. The changes in this revision were made to align with FAA Policy Letters and to increase dispatch flexibility. All changes are reflected in the highlights of changes listed below and are indicated by revision bars in the associated ATA section. For any change affecting an ATA section, all pages in that associated ATA section are re-dated accordingly, with the exception of nomenclature changes for ATA chapter heading.

ITEM	EXPLANATION OF CHANGE
Entire document	Use of commercial designation in the applicability of items.
ATA 21 AIR CONDITIONING	
00-01	Added (M) procedure.
24-04	The item was under the wrong ATA according to the ATA Breakdown. The Recirculation System Smoke Detector will be placed under ATA 26, FIRE PROTECTION, item 26-16-00.
25-01, 25-03	Removed proviso, which limits operation up to a certain FL 310.
27-01, 27-03, 27-04	Included proviso restraining the transportation of Dry Ice in the FWD Cargo Compartment.
27-09	To include a new dispatch condition with the Aft Baggage Compartment Shutoff Valves inoperative.
28-02	Updated relief included (M) reference and updated the Operational Procedure.
29-02	Removed proviso, which limits operation up to a certain Flight Level.
31-01, 31-02, 31-07, 31-09, 31-11, 31-13, 32-01, 32-04, 51-00, 51-01,51-02	Specify applicability in the first column of the MMEL, and removing redundant proviso information when "considered inoperative" is used.
51-08	To correct text in the remarks.
51-23	New item allowing dispatch of the Air Conditioning pushbutton illumination.
60-00, 61-00, 61-01, 62-00, 62-01	Updated dispatch conditions and provisos.

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FEDERAL AVIATION ADMINISTRATION

ATA 23 COMMUNICATIONS ATA 24 ELECTRICAL POWER AIGHLIGHTS OF CHANGE REVISION NO. 15 DATE: 08/03/2017 HIGHLIGHTS OF CHANGE EXPLANATION OF CHANGE ITEM EXPLANATION OF CHANGE EXPL	PAGE NO. III OF CHANGE
HIGHLIGHTS OF CHANGE ITEM ATA 22 AUTOFLIGHT 00-00 Updated autopilot relief in accordance 10-00 Included an A/2/1 relief for the item. 11-01 Removed the expression "and not use ATA 23 COMMUNICATIONS 51-11 Revised proviso to allow the dispatch Microphone. ATA 24 ELECTRICAL POWER 42-00 Specify applicability in the first column	OF CHANGE
ATA 22 AUTOFLIGHT 00-00 Updated autopilot relief in accordance 10-00 Included an A/2/1 relief for the item. Removed the expression "and not use ATA 23 COMMUNICATIONS 51-11 Revised proviso to allow the dispatch Microphone. ATA 24 ELECTRICAL POWER 42-00 Specify applicability in the first column	OF CHANGE
AUTOFLIGHT 00-00 Updated autopilot relief in accordance 10-00 Included an A/2/1 relief for the item. Removed the expression "and not use ATA 23 COMMUNICATIONS 51-11 Revised proviso to allow the dispatch Microphone. ATA 24 ELECTRICAL POWER 42-00 Specify applicability in the first column	
10-00 Included an A/2/1 relief for the item. 11-01 Removed the expression "and not use ATA 23 COMMUNICATIONS 51-11 Revised proviso to allow the dispatch Microphone. ATA 24 ELECTRICAL POWER 42-00 Specify applicability in the first column	
ATA 23 COMMUNICATIONS 51-11 Revised proviso to allow the dispatch Microphone. ATA 24 ELECTRICAL POWER 42-00 Specify applicability in the first column	with PL-101.
ATA 23 COMMUNICATIONS 51-11 Revised proviso to allow the dispatch Microphone. ATA 24 ELECTRICAL POWER 42-00 Specify applicability in the first column	
COMMUNICATIONS 51-11 Revised proviso to allow the dispatch Microphone. ATA 24 ELECTRICAL POWER 42-00 Specify applicability in the first column	ed" from the proviso.
ATA 24 ELECTRICAL POWER 42-00 Specify applicability in the first column	
ELECTRICAL POWER 42-00 Specify applicability in the first column	with a missing Cockpit Hand
ATA OC	of the MMEL.
ATA 26 FIRE PROTECTION	
26-16-00 Previously item 21-24-04, moved to A	TA section 26, item 26-16-00
ATA 28 FUEL	
43-00 Revised remarks for clarification.	
ATA 29 HYDRAULIC POWER	
11-21, 12-11 To include the Electrical Pumps Shock	k Mounts as a MMEL item.
ATA 30 ICE AND RAIN PROTECTION	
33-00 Included the (O) reference in the seco	and relief.
71-02 Updated number installed from "2" to "	« <u> </u> "
ATA 31 INDICATING/RECORDING SYSTEMS	
16-01 Changed item name for clarification.	

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AIRCRAFT:	REVISION NO. 15 PAGE NO.
ERJ-170, ERJ-190	
	HIGHLIGHTS OF CHANGE
ITEM	EXPLANATION OF CHANGE
ATA 32 LANDING GEAR	
47-01, 47-15	Updated relief to include a NOTE regarding engine failure after V ₁ .
ATA 33 LIGHTS	
10-00	Revised the remarks to be compliant with PL-77.
23-00	Updated item to comply with PL-123.
23-03, 28-00, 28-01, 28-03, 28-07, 28-09.	New item, included components of the lavatory light system in the MMEL.
31-02	New item, provided dispatch with the cargo compartments light cages damaged or missing.
44-00	To revise relief to be in accordance to CS-MMEL.
47-00	Changed applicability, to be easier to understand.
ATA 34 NAVIGATION	
23-00, 31-00	Updated relief for correction.
52-00-02	Updated relief in accordance with PL-76.
61-00	Included an (O) reference in the MMEL.
61-01	Updated item to comply with PL-98.
ATA 35 OXYGEN	
11-01	Remove (M) reference.
11-03	Updated number installed from 1 to "-" to be compatible with Lineage.
ATA 36 PNEUMATIC	
00-00	Specify applicability in the first column of the MMEL.
10-01	Updated remarks for correction. No technical change.
11-01	To update second relief for correction.

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AIRCRAFT:		REVISION NO. 15	PAGE NO.				
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	HI	GHLIGHTS OF CHANGE					
ITEM		EXPLANATION	OF CHANGE				
ATA 38							
WATER/WASTE							
32-00, 32-09, 34-01	Removed proviso "The Pilot-in-Command will determine if flight duration is acceptable with a FWD Lavatory unusable".						
ATA 44							
CABIN SYSTEMS							
13-00	Updated number installed from "2" to "-" to account for a third flight attendant jumpseat option						
32-08	Changed the (M) reference for an (O) reference.						
51-00	Changed	Changed "local regulations" to "14 CFR".					
ATA 50 CARGO AND ACCESSORY COMPARTMENTS							
22-02	Changed	relief order. No technical ch	ange.				
ATA 52 DOORS							
30-00	To update	e relief for the item.					
70-01	To includ	e (O) reference.					
ATA 73 ENGINE FUEL AND CONTROL							
21-15		relief with different provisos and 170/175).	according to airplane family				

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	DEFINITIONS								

Refer to the current FAA MMEL Policy Letter 25, *Policy Concerning MMEL Definitions*, found on the FAA Flight Standards Information Management System (FSIMS) website.

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	PREAMBLE								

For the MMEL, Preamble used for operations under 14 CFR Parts 121, 125, 129, and 135, refer to the current FAA Policy Letter PL-34, *MMEL and MEL Preamble*, or for the preamble used for 14 CFR Part 91 operations, refer to MMEL Policy Letter PL-36, *FAR Part 91 MEL Approval and Preamble*. Both preambles may be found on the FAA Flight Standards Information Management System (FSIMS) website.

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GUIDELINES	GUIDELINES FOR (M) AND (O) PROCEDURES									

Guidance for (M) and (O) Procedures should be based on Dispatch Deviation Procedures Manual. For ERJ-170, ERJ-175, ERJ-190, and ERJ-195, refer to DDPM-4600-001. For LINEAGE 1000, refer to MEL-3766-020.

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ER	J-170, ERJ-190		DAT	E: 0	8/03/2017	21-1	
-					E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY BER INSTALLI	ED.	
SEQUENCE	ITEM		2. 1			UIRED FOR DISPATCH	
NO.				33.1		OR EXCEPTIONS	
21. AIR CON	DITIONING						
Sequence No.	Item	1	2	3	4		Change Bar
00-00	Environmental Control System Synoptic Displays (MFD ECS Page)	С	2	0		cations not addressed the MMEL may be	
00-01	Air Management System (AMS) Channels (Except LINEAGE 1000)	С	2	1	be inoperative a) AMS of to the	control channel is reverted operative one, and is conducted at or below	
21-04	Pilots Feet Outlet Shutoff Valves	С	2	0			
23-00	Gasper System	С	1	0			
24-01	Recirculation Fans	С	2	0	(M) May be in affected fan is	operative provided s deactivated.	
-01	Recirculation Fan Check Valves	С	2	0	` '	operative close provided n is deactivated.	
24-02	Recirculation Air Filters	С	2	0		rative or missing provided Fans (RECIRC) remains	
		С	2	0		operative or missing ociated Recirculation Fan is	
24-04	Recirculation System Smoke Detector (Except LINEAGE 1000)				Moved to item	n 26-16-00.	l
25-01	Emergency Ram Air Valve	С	1	0	be inoperative a) Valve b) Air Co	t for ER operations, may e provided: is secured open, and onditioning Pack 01 is lered inoperative.	

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ER	RJ-170, ERJ-190				8/03/2017	21-2	
-		_			E KEY CATEGORY		
SYSTEM &		1. [$\overline{}$		BER INSTALL	=D	
SEQUENCE	ITEM		2. 1			UIRED FOR DISPATCH	
NO.				353 6		OR EXCEPTIONS	
21. AIR CON	IDITIONING						
Sequence No.	Item	1	2	3	4		Change Bar
25-03	Emergency Ram Air Check Valve	С	1	0	be inoperative	r ER operations, may e open provided ng Pack 02 is considered	
25-06	Ram Air Inlet Door (Post-Mod. SB-170-53-0107 and Post-Mod. SB-190-53-0070)	С	2	0	provided: a) Both d and	oth may be inoperative doors are secured open, actuators are deactivated.	
26-08	Aft Electronic Bay Ventilation System (LINEAGE 1000)						I
-01	Ventilation Fan 1	D	1	0	May be inope in-flight only.	rative provided IFE is used	
-02	Ventilation Fan 2	С	1	0	May be inope selected OFF	rative provided IFE is	
-03	Airflow Switch	С	1	0	May be inope selected OFF	rative provided IFE is	
27-01	Forward Cargo Compartment Fan	С	1	0	a) Fan is b) Live an the ca c) Dry ice	operative provided: deactivated, nimals are not carried in rgo compartment, and e is not carried in the cargo artment.	

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		MM	EL T	ABL	E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALLED		
NO.				3.1	NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS		
21. AIR CON	IDITIONING				4. REWARKS OR EXCEPTIONS		
Sequence No.	Item	1	2	3	4	Change	
27-03	Forward Cargo	C	1	0	(M) May be inoperative closed provided:	Bar	
***	Compartment Check		•	0	a) Fan is deactivated,	I	
	Valve				b) Live animals are not carried in		
					the cargo compartment, and		
					 c) Dry ice is not carried in the cargo compartment. 		
		С	1	0	(O) May be inoperative open provided		
			-		procedures are established and used to		
					ensure the associated compartment		
					remains empty or is verified to contain only empty cargo handling equipment,		
					ballast (ballast may be loaded in ULDs),		
					and/or Fly Away Kits.		
					NOTE: Operator MELs must define which items are approved for		
					inclusion in the Fly Away Kits		
					and which materials can be used		
					as ballast.		
27-04 ***	Forward Cargo	С	1	0	(M) May be inoperative closed provided:		
	Compartment Shutoff Valve				a) Valve is secured closed,b) Fan is deactivated,	1	
	7 3.17 3				c) Live animals are not carried in	'	
					the cargo compartment, and		
					d) Dry ice is not carried in the cargo		
					compartment.	I	
		С	1	0	(O) May be inoperative open provided		
					procedures are established and used to		
					ensure the associated compartment remains empty or is verified to contain		
					only empty cargo handling equipment,		
					ballast (ballast may be loaded in ULDs),		
					and/or Fly Away Kits.		
					NOTE: Operator MELs must define		
					which items are approved for		
					inclusion in the Fly Away Kits		
					and which materials can be used as ballast.		
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		ММ	EL T	ABL	E KEY		
SYSTEM &		1. F			CATEGORY		
SEQUENCE	ITEM	2. NUM			BER INSTALLE		
NO.	TT ZIVI			3.1		UIRED FOR DISPATCH	
04 AID 00N	DITIONING				4. REMARKS	OR EXCEPTIONS	
21. AIR CON		l ,		T _	Ι.		Change
Sequence No.	Item	1	2	3	4		Bar
27-09	Aft Baggage Compartment Shutoff Valves (LINEAGE 1000)	С	2	0	a) Both v	operative provided: alves are secured closed, nimals are not carried in	
	(LINEAGE 1000)				,	ggage compartment.	
28-02 ***	In-Flight Entertainment (IFE) System						
-01	Ventilation Fan	D	1	0	a) Ventila	e inoperative provided: ation system is reset, and used in-flight only.	
-02	Airflow Switch	D	1	0	a) Ventila	e inoperative provided: ation system is reset, and used in-flight only.	
28-03 ***	In-Flight Entertainment System (IFE) Ground-Shutoff-Valve	D	1	0	a) Affecte b) Ventila	e inoperative provided: ed valve is secured closed, ation system is reset, and used in-flight only.	
28-04 ***	In-Flight Entertainment System (IFE) Vent-Shutoff-Valve	D	1	0	a) Affecte and	operative provided: ed valve is secured closed, deactivated.	
28-08 ***	Chiller Ventilation System						
-01	Ventilation Fan	D	1	0	a) Ventila and	operative provided: ation fan is deactivated, is deactivated.	
-02	Airflow Switch	D	1	0	a) Ventila	operative provided: ation fan is deactivated, is deactivated.	
28-09 ***	Chiller Ground Shutoff Valve	D	1	0	a) Affecte and	operative provided: ed valve is secured closed, is deactivated.	

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-					E KEY CATEGORY			
SYSTEM &		1. [$\overline{}$		BER INSTALLE	=D		
SEQUENCE NO.	ITEM					UIRED FOR DISPATCH		
NO.				50500	4. REMARKS	OR EXCEPTIONS		
21. AIR CON	IDITIONING							
Sequence No.	Item	1	2		4		Change Bar	
28-10 ***	Chiller Vent Shutoff Valve	D	1	0	a) Affecte and	operative provided: ed valve is secured closed, is deactivated.		
28-12 ***	Chiller Maintenance Panel	D	1	0		operative provided edures are established		
						ortion of the system that ses normally may be used.		
29-02	Low Pressure Ground Connection Check Valve	С	2	1	be inoperative	r ER operations, one may e open provided associated ng Pack is considered	 	
	(All Configurations Except LINEAGE 1000)	С	2	0	inoperative op	r ER operations, may be ben provided Both Air Pack are considered	 	
	(LINEAGE 1000)	С	2	0	inoperative op a) Both A consid b) The A	r ER operations, may be ben provided: Air Conditioning Packs are lered inoperative, and uxiliary Fuel system is lered inoperative.		
		С	2	0	May be inope	rative closed.		

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OVOTEN A					CATEGORY
SYSTEM & SEQUENCE	ITEM		2. 1		BER INSTALLED
NO.	11 - 141			3.1	NUMBER REQUIRED FOR DISPATCH
21. AIR CON	DITIONING				4. REMARKS OR EXCEPTIONS
Sequence No.	Item	1	2	3	4 Change
31-01	Cabin Pressure Control	•	_		Bar
31-01	System (CPCS) Controller Channels				
-01	Automatic Mode	С	2	1	One may be inoperative provided PRESN MAN FAIL Caution message is not displayed on EICAS.
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	2	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) Both Ram Air Inlet Doors are verified open before each flight.
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	2	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, and c) Flight is conducted in an unpressurized configuration.
	(LINEAGE 1000)	С	2	0	(O)Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) The Auxiliary Fuel system is considered inoperative.
-02	Manual Mode	С	2	0	(O) Except for ER operations, may be inoperative provided: a) Automatic Mode on both channels operates normally, and b) Extended overwater flight is prohibited. (Continued)

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SYSTEM &		1. F	$\overline{}$		CATEGORY
SEQUENCE	ITEM		2.1		BER INSTALLED
NO.				3. ľ	NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
21. AIR CON	DITIONING				14. NEMAKKS OK EXCELLIONS
Sequence No.	Item	1	2	3	4 Change Bar
31-01	Cabin Pressure Control System (CPCS) Controller Channels (Cont'd)				Jan 1
-02	Manual Mode (Cont'd)				
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	2	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve Indication on MFD operates normally, b) Outflow Valve is verified open, c) Extended overwater flight is prohibited, d) Flight is conducted in an unpressurized configuration, and e) Both Ram Air Inlet Doors are verified open before each flight.
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	2	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve Indication on MFD operates normally, b) Outflow Valve is verified open, c) Extended overwater flight is prohibited, and d) Flight is conducted in an unpressurized configuration.
	(LINEAGE 1000)	С	2	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve Indication on MFD operates normally, b) Outflow Valve is verified open, c) Extended overwater flight is prohibited, d) Flight is conducted in an unpressurized configuration, and e) The Auxiliary Fuel system is considered inoperative.

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1000000					4. REMARKS OR EXCEPTIONS		
21. AIR CONDITIONING							
Sequence No.	Item	1	2	3	4 Change Bar		
31-01	Cabin Pressure Control System (CPCS) Controller Channels (Cont'd)						
-02	Manual Mode (Cont'd)						
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	2	0	(M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) Both Ram Air Inlet Doors are considered inoperative.		
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	2	0	(M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, and c) Flight is conducted in an unpressurized configuration.		
	(LINEAGE 1000)	С	2	0	(M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) The Auxiliary Fuel system is considered inoperative.		

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	V		MASTE	R MINIMUM EQUIPMENT L	ICT
FEDERAL A	VIATION ADMINISTRATIO	N _			IVIAO I L	R MINIMUM EQUITMENT L	.101
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190		DAT	E: 0	8/03/2017	21-9	
					E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2. [BER INSTALLE	<u>=D</u> UIRED FOR DISPATCH	
NO.				3. 1		OR EXCEPTIONS	
21. AIR CON	DITIONING				4. INEMINATO	OK EXCEL HONC	
Sequence No.	Item	1	2	3	4		Change Bar
31-02	Outflow Valve						
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	inoperative pro a) Outflow operat b) Outflow c) Extend prohibit d) Flight in unprese e) Both R	w Valve Indication on MFD es normally, w Valve is verified open, ded overwater flight is	
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	inoperative properation a) Outflow operation b) Outflow c) Extending prohibited a) Flight in the control of the	r ER operations, may be ovided: w Valve Indication on MFD res normally, w Valve is verified open, ded overwater flight is ited, and is conducted in an essurized configuration.	
	(LINEAGE 1000)	С	1	0	inoperative properation operation op	w Valve Indication on MFD es normally, w Valve is verified open, ded overwater flight is	
					(Continued)		

MASTER MINIMUM EQUIPMENT LIST FEDERAL AVIATION ADMINISTRATION								
AIRCRAFT:	J-170, ERJ-190				NO. 15 PAGE NO.			
ER				08/03/2017 21-10				
					LE KEY			
SYSTEM &		І. Г			CATEGORY //BER INSTALLED			
SEQUENCE	ITEM		۷. ۱		NUMBER REQUIRED FOR DISPATCH			
NO.				000 0	4. REMARKS OR EXCEPTIONS			
21. AIR CON	IDITIONING							
Sequence No.	Item	1	2	3	4 Chang Bar			
31-02	Outflow Valve (Cont'd)							
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	(M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) Both Ram Air Inlet Doors are considered inoperative.			
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	(M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, and c) Flight is conducted in an unpressurized configuration.			
	(LINEAGE 1000)	С	1	0	(M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) The Auxiliary Fuel system is considered inoperative.			

FEDERAL AVIATION ADMINISTRATION AIRCRAFT: REVISION NO. 15 PAGE NO.									
RJ-170, ERJ-190	RE	REVISION NO. 15 PAGE NO. 21-11							
	MM	EL T	ABL	E KEY					
ITEM	1. F		MUŅ	BER INSTALLED					
1			۱ ،	la	Chang				
				4	Bar				
Indications on MFD		2	0						
Cabin Rate of Climb Indication on EICAS	С	1	0	May be inoperative provided Automatic Mode operates normally on both channels.					
(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	 (O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) Both Ram Air Inlet Doors are verified open before each flight. 					
(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, and c) Flight is conducted in an unpressurized configuration.					
(LINEAGE 1000)	С	1	0	 (O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) The Auxiliary Fuel system is considered inoperative. 					
	ITEM IDITIONING Item Outflow Valve Indications on MFD Cabin Rate of Climb Indication on EICAS (All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed) (All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	ITEM ITEM	ITEM ITEM	RJ-170, ERJ-190 MMEL TABL 1. REPAIR (REVISION NO. 15 DATE: 08/03/2017 MMEL TABLE KEY				

U.S. DEPAR	RTMENT OF TRANSPORTA	TIOI	V		MASTE	R MINIMUM EQUIPMENT I	I IST		
FEDERAL A	VIATION ADMINISTRATIO	N			IVI/ (O 1 L				
AIRCRAFT:		RE\	VISIC	N NC	IO. 15	PAGE NO.			
EF	RJ-170, ERJ-190		DAT	E: 0	8/03/2017	21-12			
		MM	MEL TABLE KEY						
SYSTEM &		1. F			CATEGORY				
SEQUENCE	ITEM		2.1		BER INSTALLI				
NO.				3. ľ		UIRED FOR DISPATCH OR EXCEPTIONS			
21. AIR CON	NDITIONING	4. KEWAKKS OK EXCEPTIONS							
Sequence No.	Item	1	2	3	4		Change Bar		
31-07	Cabin Rate of Climb Indication on EICAS (Cont'd)								
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	be inoperative a) Outflo b) Extend prohib c) Flight unpres d) Both F	w Valve is removed, ded overwater flight is			
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	be inoperative a) Outflo b) Extend prohib c) Flight	t for ER operations, may e provided: w Valve is removed, ded overwater flight is lited, and is conducted in an essurized configuration.	 		
	(LINEAGE 1000)	С	1	0	be inoperative a) Outflo b) Extend prohib c) Flight unpres d) The A	w Valve is removed, ded overwater flight is			

SYSTEM & SEQUENCE NO. 21. AIR CONDITIONING Sequence No. Item 31-09 Cabin Differential Pressure Indication of EICAS (All Configurations Except LINEAGE 100 with Ram Air Inlet Downstalled) (All Configurations Except LINEAGE 100 without Ram Air Inlet Doors Installed)	1. C	REP	AIR (DE KEY CATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 4 (O) May be inoperative provided: a) Cabin Altitude Indication operates normally, and b) A table is available to convert Cabin Altitude to Cabin Differential Pressure. (O) Except for ER operations, may be inoperative provided:	Chang Bar
SYSTEM & SEQUENCE NO. 21. AIR CONDITIONING Sequence No. Item 31-09 Cabin Differential Pressure Indication of EICAS (All Configurations Except LINEAGE 100 with Ram Air Inlet Document Installed) (All Configurations Except LINEAGE 100 with Ram Air Inlet Document Installed)	1. C	2 1	ABL AIR (NUM 3. I	LE KEY CATEGORY IBER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 4 (O) May be inoperative provided:	
SEQUENCE NO. 21. AIR CONDITIONING Sequence No. Item 31-09 Cabin Differential Pressure Indication of EICAS (All Configurations Except LINEAGE 100 with Ram Air Inlet Dorlinstalled) (All Configurations Except LINEAGE 100 with Ram Air Inlet Dorlinstalled)	1 C	2. 1	3 0	IBER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 4 (O) May be inoperative provided:	
SEQUENCE NO. 21. AIR CONDITIONING Sequence No. Item 31-09 Cabin Differential Pressure Indication of EICAS (All Configurations Except LINEAGE 100 with Ram Air Inlet Dorlinstalled) (All Configurations Except LINEAGE 100 with Ram Air Inlet Dorlinstalled)	C C C	2 1	3.1	4 (O) May be inoperative provided: a) Cabin Altitude Indication operates normally, and b) A table is available to convert Cabin Altitude to Cabin Differential Pressure. (O) Except for ER operations, may be	
NO. 21. AIR CONDITIONING Sequence No. Item 31-09 Cabin Differential Pressure Indication of EICAS (All Configurations Except LINEAGE 100 with Ram Air Inlet Dorlinstalled) (All Configurations Except LINEAGE 100 with Ram Air Inlet Dorlinstalled)	C C C	1	3 0	4 (O) May be inoperative provided: a) Cabin Altitude Indication operates normally, and b) A table is available to convert Cabin Altitude to Cabin Differential Pressure. (O) Except for ER operations, may be	
Sequence No. Item 31-09 Cabin Differential Pressure Indication of EICAS (All Configurations Except LINEAGE 100 with Ram Air Inlet Double Installed) (All Configurations Except LINEAGE 100 without Ram Air Inlet Inlet Inlet Installed)	C C C	1	0	4 (O) May be inoperative provided: a) Cabin Altitude Indication operates normally, and b) A table is available to convert Cabin Altitude to Cabin Differential Pressure. (O) Except for ER operations, may be	
Sequence No. Item Cabin Differential Pressure Indication of EICAS (All Configurations Except LINEAGE 100 with Ram Air Inlet Double Installed) (All Configurations Except LINEAGE 100 without Ram Air Inlet Inlet Inlet Installed)	C C C	1	0	(O) May be inoperative provided: a) Cabin Altitude Indication operates normally, and b) A table is available to convert Cabin Altitude to Cabin Differential Pressure. (O) Except for ER operations, may be	
Cabin Differential Pressure Indication of EICAS (All Configurations Except LINEAGE 100 with Ram Air Inlet Dod Installed) (All Configurations Except LINEAGE 100 without Ram Air Inlet	C C C	1	0	(O) May be inoperative provided: a) Cabin Altitude Indication operates normally, and b) A table is available to convert Cabin Altitude to Cabin Differential Pressure. (O) Except for ER operations, may be	
Pressure Indication of EICAS (All Configurations Except LINEAGE 100 with Ram Air Inlet Dollnstalled) (All Configurations Except LINEAGE 100 without Ram Air Inlet	c C			 a) Cabin Altitude Indication operates normally, and b) A table is available to convert Cabin Altitude to Cabin Differential Pressure. (O) Except for ER operations, may be 	ı
Except LINEAGE 100 with Ram Air Inlet Do Installed) (All Configurations Except LINEAGE 100 without Ram Air Inlet	00	1	0	1	ı
Except LINEAGE 100 without Ram Air Inlet				 a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) Both Ram Air Inlet Doors are verified open before each flight. 	
		1	0	 (O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, and c) Flight is conducted in an unpressurized configuration. 	
(LINEAGE 1000)	C	1	0	 (O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) The Auxiliary Fuel system is considered inoperative. 	

FEDERAL A	VIATION ADMINISTRATIO				MASTER MINIMUM EQUIPMENT	
AIRCRAFT:	RJ-170, ERJ-190	RE\			O. 15 PAGE NO. 21-14	
		ММ	EL T	ABL	E KEY	
SYSTEM & SEQUENCE NO.	ITEM	_	REP	AIR (NUM	CATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH	
21. AIR CON	IDITIONING				4. REMARKS OR EXCEPTIONS	
Sequence No.	Item	1	2	3	4	Chang
31-09	Cabin Differential Pressure Indication on EICAS (Cont'd)					B ar
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	 (M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, d) Both Ram Air Inlet Doors are considered inoperative. 	
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	 (M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, and c) Flight is conducted in an unpressurized configuration. 	
	(LINEAGE 1000)	С	1	0	 (M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) The Auxiliary Fuel system is considered inoperative. 	

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	V		MASTER MINIMUM EQUIPMENT LIST
FEDERAL A	VIATION ADMINISTRATIO	N _			WASTER WIINIWOW EQUIFWENT LIST
AIRCRAFT:		RE	VISIO	N NC	NO. 15 PAGE NO.
ER	RJ-170, ERJ-190		DAT	E: 0	08/03/2017 21-15
					LE KEY
SYSTEM &		1. F	$\overline{}$		CATEGORY
SEQUENCE	ITEM		2. 1		MBER INSTALLED NUMBER REQUIRED FOR DISPATCH
NO.				0	4. REMARKS OR EXCEPTIONS
21. AIR CON	DITIONING				
Sequence No.	Item	1	2	3	4 Change Bar
31-11	Cabin Altitude Indication on EICAS	С	1	0	(O) May be inoperative provided: a) Cabin Differential Pressure Indication operates normally, and b) A table is available to convert Cabin Differential Pressure to Cabin Altitude.
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) Both Ram Air Inlet Doors are verified open before each flight.
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, and c) Flight is conducted in an unpressurized configuration.
	(LINEAGE 1000)	С	1	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) The Auxiliary Fuel system is considered inoperative.
		ļ			(Continued)

	VIATION ADMINISTRATIO		// C : :		15.05.00	
AIRCRAFT: ER	J-170, ERJ-190	KE,			IO. 15 PAGE NO. 21-16	
		ММ	EL T	ABL	E KEY	
SYSTEM & SEQUENCE NO.	ITEM	1. F		NUM	DATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
21. AIR CON	IDITIONING					
Sequence No.	Item	1	2	3	4	Chang Bar
31-11	Cabin Altitude Indication on EICAS (Cont'd)					·
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	 (M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and, d) Both Ram Air Inlet Doors are considered inoperative. 	
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	 (M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, and c) Flight is conducted in an unpressurized configuration. 	
	(LINEAGE 1000)	С	1	0	 (M)(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is removed, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and, d) The Auxiliary Fuel system is considered inoperative. 	

U.S. DEPAR	TMENT OF TRANSPORTA	OIT	N		MASTE	R MINIMUM EQUIPMENT LIST
FEDERAL A	VIATION ADMINISTRATIO	N			WASTE	R MINIMOW EQUIPMENT LIST
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.
ER	RJ-170, ERJ-190		DAT	E: 0	8/03/2017	21-17
					E KEY	
SYSTEM &		1. F	$\overline{}$		CATEGORY	-n
SEQUENCE	ITEM		2. 1		BER INSTALLE	UIRED FOR DISPATCH
NO.				J. 1		OR EXCEPTIONS
21. AIR CON	IDITIONING				1	
Sequence No.	Item	1	2	3	4	Change Bar
31-13	Landing Field Elevation (LFE) Indication on EICAS					
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	inoperative pr a) Outflow b) Extend prohibit c) Flight i unpres d) Both R	w Valve is verified open, ded overwater flight is
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	inoperative pr a) Outflow b) Extend prohibing c) Flight i	r ER operations, may be covided: w Valve is verified open, ded overwater flight is ited, and is conducted in an essurized configuration.
	(LINEAGE 1000)	С	1	0	inoperative pr a) Outflow b) Extend prohibit c) Flight i unpres d) The Au	w Valve is verified open, ded overwater flight is
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	be inoperative a) Outflow b) Extend prohibit c) Flight is unpress d) Both R	w Valve is removed,

U.S. DEPAR	TMENT OF TRANSPORTA	OIT	N		MASTE	R MINIMUM EQUIPMENT	LIST
	VIATION ADMINISTRATIO						
AIRCRAFT:	1470 ED 1400	RE\			O. 15	PAGE NO. 21-18	
ER	J-170, ERJ-190				8/03/2017	21-18	
					E KEY		
SYSTEM &		1. F			CATEGORY BER INSTALLI	ED	
SEQUENCE	ITEM		2. 1			UIRED FOR DISPATCH	
NO.				J. 1		OR EXCEPTIONS	
21. AIR CON	DITIONING						
Sequence No.	Item	1	2	3	4		Change Bar
31-13	Landing Field Elevation (LFE) Indication on EICAS (Cont'd)						Dal
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	be inoperative a) Outflow b) Extend prohib c) Flight	t for ER operations, may e provided: w Valve is removed, ded overwater flight is ited, and is conducted in an essurized configuration.	
	(LINEAGE 1000)	С	1	0	be inoperative a) Outflow b) Extend prohib c) Flight unpres and, d) The Au	w Valve is removed, ded overwater flight is	

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	V		MASTE	R MINIMUM EQUIPMENT	LIST
FEDERAL A	VIATION ADMINISTRATIO	N			MASTE	IN MINIMONI EQUIT MENT	LIGI
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	RJ-170, ERJ-190		DAT	E: 0	8/03/2017	21-19	
		MM	EL T	ABL	E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALL		
NO.				3.1		UIRED FOR DISPATCH	
21. AIR CON	IDITIONING				4. REMARKS	OR EXCEPTIONS	
Sequence No.	Item	1	2	3	4		Change
				3	4		Bar
32-01	Positive Pressure Relief Valve (Including Static Port and Tubing)						
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	inoperative pr a) Outflow b) Extend prohib c) Flight unpres d) Both F	w Valve is verified open, ded overwater flight is	
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	inoperative pr a) Outflow b) Extend prohib c) Flight	r ER operations, may be rovided: w Valve is verified open, ded overwater flight is ited, and is conducted in an essurized configuration.	
	(LINEAGE 1000)	С	1	0	inoperative pr a) Outflow b) Extend prohib c) Flight unpres d) The A	w Valve is verified open, ded overwater flight is	

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	N		
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIST
AIRCRAFT:	111111111111111111111111111111111111111		/ISIC	N NC	NO. 15 PAGE NO.
ER	RJ-170, ERJ-190		DAT	E: 0	08/03/2017 21-20
					LE KEY
SYSTEM &		1. F			CATEGORY
SEQUENCE	ITEM		2. r		IBER INSTALLED NUMBER REQUIRED FOR DISPATCH
NO.				3.1	4. REMARKS OR EXCEPTIONS
21. AIR CON	IDITIONING				4. REMARKO OR EXCELLIBORO
Sequence No.	Item	1	2	3	4 Change Bar
32-04	Negative Pressure Relief Valve				
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	1	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) Both Ram Air Inlet Doors are verified open before each flight.
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	1	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, and c) Flight is conducted in an unpressurized configuration.
	(LINEAGE 1000)	С	1	0	(O) Except for ER operations, may be inoperative provided: a) Outflow Valve is verified open, b) Extended overwater flight is prohibited, c) Flight is conducted in an unpressurized configuration, and d) The Auxiliary Fuel system is considered inoperative.
32-14	Positive Pressure Relief Valve indication on MFD	С	2	0	

IIS DEPAR	TMENT OF TRANSPORTA	TIOIT	\l				
0.0. DE17410	TIME IN OF THE WOLLD'S THE		•		MASTE	R MINIMUM EQUIPMENT I	LIST
FEDERAL A	VIATION ADMINISTRATIO	N					
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	2J-170, ERJ-190		DAT	E: 0	8/03/2017	21-21	
		MM	EL T	ABL	E KEY		
SYSTEM &		1. F			CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALLE		
NO.				3. 1		UIRED FOR DISPATCH OR EXCEPTIONS	
21. AIR CON	IDITIONING		<u> </u>		4. KLIVIAKKS	OR EXCEPTIONS	
Sequence No.	Item	1	2	3	4		Change
51-00	Air Conditioning Packs	•	_		-		Bar
31-00	All Conditioning Packs						
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	2	1	be inoperative a) Associ remair b) Flight FL 310 c) Both F	iated Air Conditioning Pack ns selected off, is conducted at or below	
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	2	1	be inoperative a) Assoc remair	iated Air Conditioning Pack ns selected off, and is conducted at or below	
	(All Configurations Except LINEAGE 1000 with Ram Air Inlet Doors Installed)	С	2	0	inoperative pr a) Both A remair b) Flight unpres c) Both F	r ER operations, may be ovided: Air Conditioning Packs in selected off, is conducted in an essurized configuration, and Ram Air Inlet Doors are dopen before each flight	
	(All Configurations Except LINEAGE 1000 without Ram Air Inlet Doors Installed)	С	2	0	inoperative pr a) Both A remair b) Flight	r ER operations, may be ovided: Air Conditioning Packs on selected off, and is conducted in an assurized configuration.	
	(LINEAGE 1000)	С	2	0	inoperative pr a) Both A remair b) Flight unpres c) The A	r ER operations, may be rovided: Air Conditioning Packs in selected off, is conducted in an assurized configuration, and uxiliary Fuel system is lered inoperative.	

U.S. DEPAR	RTMENT OF TRANSPORTA	IOITA	N		MASTER MINIMUM EQUIPMENT LI	IST
FEDERAL A	VIATION ADMINISTRATIO	N			WASTER WINNINGWEGON WEITHE	101
AIRCRAFT:		RE'	VISIO	A NC	IO. 15 PAGE NO.	
ER	RJ-170, ERJ-190		DAT	ΓE: 0	8/03/2017 21-22	
		_			E KEY	
SYSTEM &		1. F	$\overline{}$		CATEGORY	
SEQUENCE	ITEM		2.1		BER INSTALLED	
NO.				3.1	NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
21. AIR CON	IDITIONING			<u> </u>	4. KEMAKKO OK EXCELLIONO	
Sequence No.	Item	1	2	3	4	Change Bar
51-01	Pack Flow Control Valves	С	2	1	 (M)(O) Except for ER operations, one may be inoperative provided: a) Affected valve is secured closed, and b) Associated Air Conditioning Pack is considered inoperative. 	
		С	2	1	 (O) Except for ER operations, one may be inoperative provided: a) Affected valve is verified closed, and b) Associated Air Conditioning Pack is considered inoperative. 	'
	(All Configurations Except LINEAGE 1000)	С	2	0	 (M)(O) Except for ER operations, may be inoperative provided: a) Affected valves are secured closed, and b) Both Air Conditioning Packs are considered inoperative. 	i
	(LINEAGE 1000)	С	2	0	 (M)(O) Except for ER operations, may be inoperative provided: a) Affected valves are secured closed, b) Both Air Conditioning Packs are considered inoperative, and c) The Auxiliary Fuel system is considered inoperative. 	

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	V		MASTER MINIMUM EQUIPMENT LIST			
FEDERAL A	VIATION ADMINISTRATIO	N			MAGTER MINIMONIE GOIL MENT EIGT			
AIRCRAFT:		RE'	VISIO	N NC	NO. 15 PAGE NO.			
ER	J-170, ERJ-190		DAT	E: 0	08/03/2017 21-23			
		MM	EL T	ABL	E KEY			
SYSTEM &		1. F	$\overline{}$		CATEGORY			
SEQUENCE	ITEM		2.1		IBER INSTALLED			
NO.				3. 1	NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
21. AIR CON	DITIONING				4. REWARKS OR EXCEPTIONS			
Sequence No.	Item	1 2 3 4						
51-02	Flow Sensing Venturi	С	2	1	(O) Except for ER operations, one may			
51-02	riow Sensing Venturi		2	•	be inoperative provided Associated Air Conditioning Pack is considered inoperative.			
	(All Configurations Except LINEAGE 1000)	С	2	0	(O) Except for ER operations, may be inoperative open provided both Air Conditioning Packs are considered inoperative.			
	(LINEAGE 1000)	С	2	0	(O) Except for ER operations, may be inoperative open provided: a) Both Air Conditioning Packs are considered inoperative, and b) The Auxiliary Fuel system is considered inoperative.			
51-08	Water Spray Nozzles	С	2	1	 (O) Except for ER operations, one may be inoperative provided: a) Associated Air Conditioning Pack remains selected off, and b) Flight is conducted at or below FL 310. 			
		С	2	0	(M) May be inoperative provided affected Spray Nozzle is removed.			
	(All Configurations Except LINEAGE 1000)	С	2	0	(O) Except for ER operations, may be inoperative provided: a) Both Air Conditioning Packs remain selected off, and b) Flight is conducted in an unpressurized configuration.			
	(LINEAGE 1000)				(O) Except for ER operations, may be inoperative provided: a) Both Air Conditioning Packs remain selected off, b) Flight is conducted in an unpressurized configuration, and c) The Auxiliary Fuel System is considered inoperative.			

IIS DEDAD	TMENT OF TRANSPORTA	TIOI	NI						
U.S. DEFAN	TIVIENT OF TRANSPORTA	(TIOI	N		MASTE	R MINIMUM EQUIPMENT I	LIST		
FEDERAL A	VIATION ADMINISTRATIO	N							
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.			
ER	J-170, ERJ-190	DATE: 08/03/2017 21-24							
			MMEL TABLE KEY						
SYSTEM &		1. F	$\overline{}$		CATEGORY				
SEQUENCE	ITEM		2. r		BER INSTALLI				
NO.				3. ľ		UIRED FOR DISPATCH OR EXCEPTIONS			
21. AIR CON	DITIONING				4. INDIVIANIO	ON EXCELLIONS			
Sequence No.	Item	1	2	3	4		Change Bar		
51-23	Pack 1(2) Pushbutton	С	2	0		operative provided	bar		
01 20	Illumination					ishbutton is verified			
60-00	Temperature Control				·		·		
	1) Cockpit	С	2	0	May be incre	rative provided Cockpit	1		
	Temperature "SET" Indication on MFD ECS Page	J	_	J		"ACTUAL" Indication			
	Cockpit Temperature "ACTUAL" Indication on MFD ECS Page	С	2	0	temperature C	rative provided cockpit Cockpit Temperature "SET" MFD ECS Page operates	 		
	3) Passenger-Cabin- Zone Temperature "SET" Indication on MFD ECS Page	С	4	0	cabin tempera	rative provided passenger ature "ACTUAL" Indication Page operates normally.	 		
	4) Passenger-Cabin- Zone Temperature "ACTUAL" Indication on MFD ECS Page	С	4	0	cabin tempera	rative provided passenger ature "SET" Indication on ge operates normally.	 		
61-00	Cockpit Temperature Control on Air Conditioning/Pneumatic Panel	С	1	0	temperature "	rative provided cockpit SET" Indication on MFD acceptable by the	 		
		С	1	0		operations, may be ovided Air Conditioning tused.	 		
61-01	Cockpit Zone Temperature Sensor	С	1	0	temperature "	rative provided cockpit SET" Indication on MFD erates normally.	 		
		С	1	0	•	operations, may be ovided Air Conditioning tused.	 		

AIRCRAFT:	<u>(VIATION ADMINISTRATIC</u> RJ-170, ERJ-190	_			O. 15 PAGE NO. 8/03/2017 21-25	
	NJ-170, ENJ-190	BABA				
SYSTEM & SEQUENCE	ITEM		REP	AIR O	E KEY CATEGORY BER INSTALLED	
NO.				3. ľ	NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
21. AIR CO	NDITIONING		ı			Chann
Sequence No.	Item	1	2	3	4	Chang Bar
61-05 62-00	Cockpit Zone Temperature Indication on MFD (SET or ACTUAL) Passenger-Cabin-Zone				Deleted, Revision 6. (Included in items 21-61-00 and 21-61-01.)	1
	Temperature Control					İ
	On Air Conditioning/ Pneumatic Panel	С	1	0	May be inoperative provided: a) PAX/CABIN knob on the AIR COND/PNEUMATIC Panel is set to ATTND position. b) Temperature Control knob on the FAP is used to control the Passenger-Cabin-Zone Temperature.	
		С	1	0	Cabin Temperature "SET" Indication on MFD ECS Page is considered inoperative. NOTE: This failure mode is recognized when the Set indication is	
					dashed.	İ
		С	1	0	May be inoperative provided set indication is in a range of temperature acceptable by the flightcrew.	
		С	1	0	Except for ER operations, may be inoperative provided Air Conditioning Pack 02 is not used.	
	On Flight Attendant Panel/CMS	С	-	0	May be inoperative provided Temperature Control knob on the AIR COND/PNEUMATIC Panel is used.	
		С	-	0	Except for ER operations, may be inoperative provided Air Conditioning Pack 02 is not used.	

AIRCRAFT:	VIATION ADMINISTRATIO				O. 15 PAGE NO.	
ER	RJ-170, ERJ-190				3/03/2017 21-26	
		_			E KEY	
SYSTEM &		1. 1			CATEGORY BER INSTALLED	
EQUENCE	ITEM		2. 1		NUMBER REQUIRED FOR DISPAT	ГСН
NO.				•	4. REMARKS OR EXCEPTIONS	
21. AIR CON	IDITIONING		<u> </u>	<u>'</u>		
equence No.	Item	1	2	3	4	Chan Bar
62-01	Passenger-Cabin-Zone Temperature Sensor	С	-	0	May be inoperative provided Passenger-Cabin-Zone Temperatu "SET" Indication on MFD ECS Pagoperates normally.	
		С	-	0	Except for ER operations, may be inoperative provided Air Conditioning Pack 02 is not used.	ng
62-04	Passenger Cabin Zone Temperature Indication on MFD (SET or ACTUAL)				Deleted, Revision 6. (Included in items 21-62-00 and 21-62-01.)	
62-05 **	Trim Air Modulating Valves	С	2	0	(M) May be inoperative provided affected valve is secured closed.	

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	N			
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT	LIST
AIRCRAFT:	<u> </u>		VISI	A NC	IO. 15 PAGE NO.	
	RJ-170, ERJ-190				3/03/2017 22-1	
		I.			E KEY	
		_			CATEGORY	
SYSTEM &	ITEM		$\overline{}$		BER INSTALLED	
SEQUENCE NO.	ITEM			3.1	NUMBER REQUIRED FOR DISPATCH	
W4500XX11111					4. REMARKS OR EXCEPTIONS	
22. AUTOFL	IGHT					
Sequence No.	Item	1	2	3	4	Change Bar
00-00	Autopilot System	В	1	0	May be dispatched with AP FAIL Caution EICAS message provided procedures do not require its use.	
10-00	Autopilot Channels	A	2	1	 (M) May be dispatched with AP FAULT Advisory EICAS message provided: a) AP/TRIM DISC and AP/FD TCS are verified to operate normally, and b) Repairs are made within 10 calendar-days. 	
10-01 ***	Autoland 1	С	1	0	May be inoperative provided operations do not require its use.	
10-02 ***	Autoland 2	С	1	0	May be inoperative provided operations do not require its use.	
10-12	Mach Trim Channels (EMBRAER 190/195)	В	2	1		I
10-14	Yaw Damper Channels	В	2	1		
10-16	Flight Director Channels	В	2	1	One channel may be inoperative provided operations do not require its use.	
10-20	Takeoff/Go-Around (TO/GA) Buttons	С	2	1		
11-01	Guidance Panel (GP)					
-01	GP Channels	С	2	1	(O) Except for ER operations, one may be inoperative provided: a) Associated side TO/GA, AP/TRIM DISC and AP/FD TCS buttons are considered inoperative, and b) Alternate procedures are established and used.	
-02	Flight Director (FD) Buttons	С	2	0		
					(Continued)	

AIRCRAFT:	VIATION ADMINISTRATIO		VISIO	A NC	IO. 15 PAGE NO.	
EF	RJ-170, ERJ-190		DAT	ΓE: 0	8/03/2017 22-2	
		_			E KEY	
SYSTEM & SEQUENCE NO.	ITEM	1. F		MUN	CATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
22. AUTOFL	Т	1 .	_	_	I .	Chang
Sequence No.	ltem	1	2	3	4	Bar
11-01	Guidance Panel (GP) (Cont'd)					
-03	Autopilot (AP) Button	В	1	0	May be inoperative provided operations do not require its use.	
-04	Yaw Damper (YD) Button	С	1	0		
-05	Source (SRC) Button	С	1	0	May be inoperative provided operations do not require its use.	
-06	Airspeed to Mach (PUSH IAS/MACH) Change Button	С	1	0		
-07	Navigation (NAV) Mode Button	С	1	0	May be inoperative provided procedures do not require its use.	
-08	Heading (HDG) Mode Button	В	1	0	May be inoperative provided procedures do not require its use.	
-09	Approach (APP) Mode Button	С	1	0	May be inoperative provided procedures do not require its use.	
-10	Bank (BANK) Limiter Button	С	1	0		
-11	Heading Selector (HDG SEL) Knob	В	1	0	May be inoperative provided operations do not require its use.	
-12	Heading Synchronization (PUSH SYNC) Button	С	1	0		
					(Continued)	

SEQUENCE NO. SEQUENCE NO. Sequence No. Sequ		PAGE NO.	NO. 15	VISIO	RE		AIRCRAFT:	
SYSTEM & SEQUENCE NO. ITEM SEQUENCE NO. ITE		22-3	08/03/2017	E: 0	DAT		J-170, ERJ-190	ER
SYSTEM & SEQUENCE NO. ITEM ITEM 2. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 22. AUTOFLIGHT Sequence No. Item 1			LE KEY	ABL	EL T	MM		
SEQUENCE NO. ITEM						1. F		SYSTEM &
22. AUTOFLIGHT Sequence No. Item 1 2 3 4 11-01 Guidance Panel (GP) (Cont'd) -13 Flight Level Change (FLCH) Mode Button (VNAV) Mode Button -14 Vertical Navigation (VNAV) Mode Button -15 Altitude Hold (ALT) Mode Button -16 Feet to Meter (PUSH FT-M) Change Button -17 Flight Path Angle (FPA) Mode Button -18 Flight Path Angle Selector (FPA SEL) Knob -19 Vertical Speed (VS) Mode Button -20 Vertical Speed (VS DN UP) Selector -10 I D May be inoperative provided procedure do not require its use. -1 D May be inoperative provided operations do not require its use. -1 D May be inoperative provided procedure do not require its use. -1 D May be inoperative provided procedure do not require its use. -1 D May be inoperative provided procedure do not require its use.	8				2.1		ITEM	
Sequence No. Item 1 2 3 4				3. ľ				NO.
Sequence No. Item		ON EXCEPTIONS	4. INLIVIAINE				GHT	22 AUTOFU
Flight Level Change (FLCH) Mode Button C 1 0 May be inoperative provided procedure do not require its use. 14 Vertical Navigation (VNAV) Mode Button C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided operations do not require its use. C 1 0 May be inoperative provided operations do not require its use. C 1 0 May be inoperative provided operations do not require its use. C 1 0 May be inoperative provided operations do not require its use. C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use.	Chan		4	3	2	1		
do not require its use. -14 Vertical Navigation (VNAV) Mode Button -15 Altitude Hold (ALT) Mode Button -16 Feet to Meter (PUSH FT-M) Change Button -17 Flight Path Angle (FPA) Mode Button -18 Flight Path Angle Selector (FPA SEL) Knob -19 Vertical Speed (VS) Mode Button -10 May be inoperative provided operations do not require its use. -11 May be inoperative provided operations do not require its use. -18 Flight Path Angle Selector (FPA SEL) Mode Button -19 Vertical Speed (VS) Mode Button -10 May be inoperative provided procedure do not require its use. -11 May be inoperative provided procedure do not require its use. -12 May be inoperative provided procedure do not require its use. -18 May be inoperative provided procedure do not require its use. -19 May be inoperative provided procedure do not require its use. -10 May be inoperative provided procedure do not require its use. -10 May be inoperative provided procedure do not require its use.	Da						, ,	11-01
do not require its use. -15 Altitude Hold (ALT) Mode Button -16 Feet to Meter (PUSH FT-M) Change Button -17 Flight Path Angle (FPA) Mode Button -18 Flight Path Angle Selector (FPA SEL) Knob -19 Vertical Speed (VS) Mode Button -10 May be inoperative provided operations do not require its use. -11 May be inoperative provided procedure do not require its use. -18 Glight Path Angle Selector (FPA SEL) Knob -19 Vertical Speed (VS) Mode Button -10 May be inoperative provided procedure do not require its use. -11 May be inoperative provided procedure do not require its use. -12 May be inoperative provided procedure do not require its use. -19 May be inoperative provided procedure do not require its use.	es			0	1	С		-13
Mode Button Feet to Meter (PUSH FT-M) Change Button C 1 0 May be inoperative provided operations do not require its use. Flight Path Angle (FPA) Mode Button C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use.	es	•		0	1	С		-14
(PUSH FT-M) Change Button May be inoperative provided procedure do not require its use. Change Button May be inoperative provided procedure do not require its use. Change Button May be inoperative provided procedure do not require its use.	S	•		0	1	С		-15
Mode Button -18 Flight Path Angle Selector (FPA SEL) Knob -19 Vertical Speed (VS) Mode Button -20 Vertical Speed (VS DN UP) Selector -18 Go not require its use. -20 May be inoperative provided procedure do not require its use. -20 May be inoperative provided procedure do not require its use.	S	•		0	1	С	(PUSH FT-M)	-16
Selector (FPA SEL) Knob -19 Vertical Speed (VS) Mode Button C 1 0 May be inoperative provided procedure do not require its use. C 1 0 May be inoperative provided procedure do not require its use.	es			0	1	С		-17
Mode Button do not require its use. -20 Vertical Speed (VS DN UP) Selector DN UP) Selector do not require its use.	es		,	0	1	С	Selector (FPA SEL)	-18
(VS DN UP) Selector do not require its use.	es			0	1	С	. , ,	-19
	es			0	1	С	(VS DN UP) Selector	-20
-21 Autothrottle (A/T) Button B 1 0 May be inoperative provided Autothrott Channels are considered inoperative	tle 	•		0	1	В	Autothrottle (A/T) Button	-21

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FEDERAL A	VIATION ADMINISTRATIO	N			IVIAS I EK IVIINIIVIOIVI EQUIPIVIENT	LIOI			
AIRCRAFT:		RE'	VISIO	A NC	IO. 15 PAGE NO.				
ER	RJ-170, ERJ-190		DAT	ΓE: 0	8/03/2017 22-4				
		_			E KEY				
SYSTEM &		1. F	$\overline{}$		CATEGORY				
SEQUENCE	ITEM	2. NUMBER INSTALLED 3. NUMBER REQUIRE			NUMBER REQUIRED FOR DISPATCH				
NO.				3. 1	4. REMARKS OR EXCEPTIONS				
22. AUTOFLIGHT									
Sequence No.	Item	1	2	3	4	Change Bar			
11-02	Autopilot/Trim Disengage (AP/TRIM DISC) Buttons	С	2	1	One may be inoperative on non-flying pilot's side provided: a) Autopilot is not used below 1,500 feet AGL, and b) Operations do not require its use.				
		В	2	0	May be inoperative provided Autopilot is not used.				
11-03	Autopilot/Flight Director Touch Control Steering (AP/FD TCS) Buttons	С	2	0					
30-00	Autothrottle Channels	В	2	0					
30-12	Autothrottle Disconnect Buttons	С	2	1					
		В	2	0	May be inoperative provided Autothrottle is not used.				
30-15	Electronic Thrust Trim System (ETTS)	С	2	0					

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U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	N		MASTE	R MINIMUM EQUIPMENT I	IST
FEDERAL A	VIATION ADMINISTRATIO	N			1VI/ (O I L		
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190		DAT	TE: 08/03/2017 23-1			
		_			E KEY		
SYSTEM &		1. F			CATEGORY	-n	
SEQUENCE	ITEM		2.1		BER INSTALL	ED UIRED FOR DISPATCH	
NO.						OR EXCEPTIONS	
23. COMMUN	NICATIONS				4. INEMINATO	ON EXCEPTIONS	
Sequence No.	Item	1	2	3	4		Change Bar
11-00	High Frequency (HF)	D	-	-	Any in excess	of those required by	Dui
***	Communication System					pe inoperative.	
		С	-	1	operations that provided: a) Aircraft operated	operative while conducting at require two LRCS It SATVOICE system res normally, OICE services are ole as an LRCS over the ed route of flight, CAO Flight Plan is updated quired) to notify ATC of the unications equipment of the aircraft, and ate procedures are ished and used.	
12-00	Very High Frequency (VHF) Communication System	D	-	•	14 CFR may I a) VHF 1	s of those required by be inoperative provided: is operative, and dures do not require its	
15-00 ***	Satellite Communication System (SATCOM)	С	-	0		operative provided edures are established	
		D	-	0	May be inope do not require	rative provided procedures its use.	

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FEDERAL A	VIATION ADMINISTRATIO	N			IVIASTE	R MINIMUM EQUIPMENT I	101
AIRCRAFT:		RE	VISIO	N NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190		DAT	E: 0	8/03/2017	23-2	
					E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY	-n	
SEQUENCE	ITEM		2.1		BER INSTALLE	UIRED FOR DISPATCH	
NO.				J. 1		OR EXCEPTIONS	
23. COMMUN	NICATIONS						
Sequence No.	Item	1	2 3 4				
21-00 ***	Selective Call System (SELCAL)	С	-	0		operative provided edures are established	
		D	-	0	May be inoped do not require	rative provided procedures its use.	
-01	Channels				Deleted, Revis	sion 8.	
23-00 ***	Wireless Gatelink System	С	1	0		operative provided edures are established	
		D	1	0	May be inoper do not require	rative provided procedures its use.	
24-00 ***	Communication Management Function (CMF)	С	1	0		operative provided edures are established	
		D	-	0	May be inoper do not require	rative provided procedures its use.	
24-01 ***	Printer	С	1	0	· , ,	operative provided edures are established	
		D	1	0	May be inoper do not require	rative provided procedures its use.	
25-00 ***	Controller Pilot Datalink Communication System (CPDLC)	С	2	0		operative provided edures are established	
		D	2	0	May be inoper do not require	rative provided procedures its use.	

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FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQU	IPMENTI	_151			
AIRCRAFT:		RE'	VISIO	A NC	IO. 15 PAGE NO.					
ER	J-170, ERJ-190		DAT	TE: 08/03/2017 23-3						
			MMEL TABLE KEY							
SYSTEM &		1. F			CATEGORY					
SEQUENCE	ITEM		2. r		BER INSTALLED NUMBER REQUIRED FOR DISF	ATCH.				
NO.				3.1	4. REMARKS OR EXCEPTION					
23. COMMUN	NICATIONS					_				
Sequence No.	Item	1 2 3 4								
51-00	Cockpit/Cabin Interphone System									
-01	Flight Deck to Cabin, Cabin to Flight Deck Functions	В	-	-	(O) May be inoperative provided a) Flight deck to cabin and flight deck interphone fu operate normally on at le of the cabin handsets, a b) Alternate communication procedures between the flight attendant stations established and used. NOTE: Any station function(s) the operate normally may be	cabin to nctions east 50% nd n affected are				
-02	Flight Deck to Cabin, Cabin to Flight Deck Functions (LINEAGE 1000)	С	1	0	(O) May be inoperative provided a) Crewmember interphone not required by 14 CFR, b) Alternate, normal, and emergency procedures a operating restrictions are established and used. NOTE: Any station function(s) the	e system and and/or e				
51-01	Cockpit Alerting System (Chime/Light)									
-01	Flight Deck Call Lights (CAB) on Digital Audio Panel	В	3	0	May be inoperative provided the flight deck chime operates norm NOTE: The flight deck chime malways be operative.	ally.				
51-02	Cockpit Speakers	С	2	0	(O) May be inoperative provided a) Procedures do not requi use, and b) Associated headset eary or headphones are insta operate normally.	re its ohones				

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					MASTE	R MINIMUM EQUIPMENT	LIST		
	VIATION ADMINISTRATIO		//016	2010	10.45	DAGENO			
AIRCRAFT:	01470 ED1400	KE			IO. 15	PAGE NO.			
ERJ-170, ERJ-190			DATE: 08/03/2017 23-4 MMEL TABLE KEY						
#1000000000000000000000000000000000000					ABLE KEY IR CATEGORY				
SYSTEM &	ITEM		$\overline{}$		BER INSTALLI	ED			
SEQUENCE NO.	ITEM			3. 1		UIRED FOR DISPATCH			
900 30 30 C C C C C C	AUG A TIGALO				4. REMARKS	OR EXCEPTIONS			
23. COMMUNICATIONS Sequence No. Item 1 2 3 4									
Sequence No.	Duck To Tolk (DTT)	1	2	3	4		Change Bar		
51-03	Push To Talk (PTT) Switches								
-01	PTT MIC Switch on Glareshield Panel	С	2	0	a) Assoc Switch norma b) Affecte failed	operative provided: iated PTT/HOT MIC on Yoke operates illy, and ed switch is either verified open (non-transmitting on) or is deactivated.			
-02	PTT/HOT MIC Switch on Yoke	С	2	0	a) Assoc Glares norma b) Affecte failed	operative provided: iated PTT MIC Switch on shield Panel operates illy, and ed switch is either verified open (non-transmitting on) or is deactivated.			
51-08	Flight Deck Headsets/Headphones	D	-	-		of those required by be inoperative.			
-01	Headset Boom Microphones	A	-	0	a) Assoc installe and b) Repair	rative provided: iated hand microphone is ed and operates normally, rs are made within t days.			
-02	Headset Earphones/Headphones	С	-	1	earphones/he inoperative pr	n's or First Officer's eadphones may be ovided associated eaker operates normally.			
51-11	Cockpit Hand Microphones	С	-	0		rative or missing provided from microphones operate	l		
i									

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FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIST
AIRCRAFT:		RE'	VISIO	A NC	NO. 15 PAGE NO.
ER	J-170, ERJ-190	DATE			08/03/2017 23-5
		MMEL TABL			LE KEY
SYSTEM &		1. F			CATEGORY
SEQUENCE	ITEM		2. 1		MBER INSTALLED
NO.				3. 1	NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
23. COMMUN	NICATIONS	<u> </u>		<u> </u>	4. REWARKS OR EXCEPTIONS
Sequence No.	Item	1	2	3	4 Change
52-00	Ramp Service	•	_		Bar
32-00	Interphone System				
-01	Flight Deck to Ground Function (Airplanes Operating Under 14 CFR Part 121) (Interphone Jack, CALL Pushbutton, Horn)	C	1	0	 (O) Flight interphone flight deck to ground/ground to flight deck function may be inoperative provided: a) Alternate procedures are established and used, and b) Nose gear/forward fuselage service interphone jack operates normally. NOTE: Any portion of system which operates normally may be used. (O) Service interphone flight deck to
		3	1	J	ground/ground to flight deck function may be inoperative provided: a) Alternate procedures are established and used, and b) Nose gear/forward fuselage flight interphone jack operates normally.
		В	-	0	(O) May be inoperative provided alternate procedures are established and used.
-02	All Other Operations	С	-	0	(O) May be inoperative provided alternate procedures are established and used.
		D	-	0	May be inoperative provided procedures do not require its use.
54-03 ***	Iridium System	D	-	0	(M) May be inoperative provided it is deactivated.

	TMENT OF TRANSPORTA	_	N		MASTER	R MINIMUM EQUIPMENT	LIST		
	VIATION ADMINISTRATIO								
AIRCRAFT:		RE'			IO. 15	PAGE NO.			
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					E KEY				
SYSTEM &		1. F			CATEGORY	·n			
SEQUENCE	ITEM		2. 1		BER INSTALLE				
NO.		3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS							
24. ELECTRI	CAL POWER	<u> </u>	<u> </u>	<u> </u>	4. INEMPARIO	ON EXCEL HONG			
Sequence No.	Item	1 2 3 4							
00-00	Electrical Synoptic	С	2	0		ations not addressed	Bar		
00-00	Displays (MFD Electrical Page)			U		ne MMEL may be			
	(IVII D Eloculoui i ago)				moperative:				
00-01	IDG Disconnect LED (Overhead Panel)	С	2	1					
00-05	Batteries 1 and 2 Voltage Indication on MFD Status Page	С	4	2	One indication inoperative.	per battery may be			
		С	4	0		ative provided affected e is available on I Page.			
21-01	Engine Driven Generator (IDG, GCU, GLC)	A	2	1	be inoperative a) APU ge normall the fligh b) Affecte and rer c) Flight is FL 330	enerator operates ly and is used throughout ht, d IDG is disconnected mains selected OFF, s conducted at or below , and s are made within			
22-01	APU Generator	С	1	0		ER operations, may be ovided APU generator ted off.			
24-00	Static Inverter	С	1	0					
32-01	Mid Cabin IFE Transformer Rectifier Unit (LINEAGE 1000)				Deleted, Revis	sion 10.	l		

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FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT	LIST
AIRCRAFT:		RE'	VISIO	A NC	IO. 15 PAGE NO.	
ER	RJ-170, ERJ-190		DAT	ΓE: 0	8/03/2017 24-2	
					E KEY	
SYSTEM &		1. F			CATEGORY	
SEQUENCE	ITEM		2. [BER INSTALLED NUMBER REQUIRED FOR DISPATCH	
NO.				3.1	4. REMARKS OR EXCEPTIONS	
24. ELECTR	ICAL POWER			1	,	
Sequence No.	Item	1	2	3	4	Change Bar
36-10	Batteries 1 and 2 Temperature Sensors	С	4	2	One sensor per battery may be inoperative provided at least one temperature of associated battery on Electrical Synoptic Display (MFD Electrical Page) is verified to operate normally before each flight.	
41-00 ***	DC External Power System	D	1	0		
-01	DC GPU AVAIL/IN USE Pushbutton Lights	D	2	0	(O) May be inoperative provided alternate procedures are established and used.	
42-00	AC External Power System	С	1	0	(M) May be inoperative provided the system is deactivated.	
-01	AC GPU AVAIL Pushbutton Lights	С	1	0	(O) May be inoperative provided alternate procedures are established and used.	
-02	AC GPU IN USE Pushbutton Lights	С	1	0	(O) May be inoperative provided alternate procedures are established and used.	
-03	AC GPU AVAILABLE Light on Flight Attendant Ground Service Panel	С	1	0	(O) May be inoperative provided alternate procedures are established and used.	I
-04	AC GPU IN USE Light on Flight Attendant Ground Service Panel	С	1	0	(O) May be inoperative provided alternate procedures are established and used.	I
-05	External AC Power Receptacle Shield	С	1	0	(M) May be cracked or damaged provided remaining shield prevents misaligned GPU connection.	l

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	V					
FEDERAL AV	VIATION ADMINISTRATIO	N			MASTE	R MINIMUM EQUIPMENT I	LIST	
AIRCRAFT:	VI/(TIOIV/\DIVIIIVIOTIC/(TIO		VISIO	ON N	IO. 15	PAGE NO.		
	J-170, ERJ-190				8/03/2017	24-3		
		ММ			E KEY			
SYSTEM &					CATEGORY			
SEQUENCE	ITEM		2.1		BER INSTALLE			
NO.				3.1		UIRED FOR DISPATCH		
24 FLECTRI	ICAL POWER	4. REMARKS OR EXCEPTIONS						
Sequence No.	Item	1 2 3 4						
52-03	In-Flight Entertainment	С	1	0		operative provided	Bar	
***	System (IFE) Auto Shutdown		-		IFE RACK Po	wer Switch is verified to ally before each departure.		
54-00 ***	Electrical Outlets							
-01	Cockpit AC Electrical Outlet	D	-	0				
-02	Avionics Compartment Electrical Outlet	D	-	0				
-03	Galley/Wardrobe Electrical Outlet	D	-	0				
-04	Aft Baggage Compartment Electrical Outlet (LINEAGE 1000)	D	-	0			1	
-05	Cabin AC Electrical Outlets	D	-	0				

U.S. DEPAR	TMENT OF TRANSPORT	ATIOI	N		MASTER MINIMUM EQUIPMENT LIST	_
FEDERAL A	VIATION ADMINISTRATIO	N			WASTER WINNING REGISTRETO ELECT	
AIRCRAFT:		RE'	VISIO	N NC	NO. 15 PAGE NO.	
ER	J-170, ERJ-190		DAT	ΓE: 0	08/03/2017 25-1	
		_			LE KEY	
SYSTEM &		1. F			CATEGORY //BER INSTALLED	_
SEQUENCE	ITEM		2.1		NUMBER REQUIRED FOR DISPATCH	_
NO.				0	4. REMARKS OR EXCEPTIONS	_
25. EQUIPMI	ENT/FURNISHINGS			,		
Sequence No.	Item	1	2	3	4 Change Bar)
10-05	Eye Position Indicator	С	1	0		_
10-07	Cockpit Convenience Item(s)				Deleted, Revision 7.	
10-09	Chart Holders				Deleted, Revision 7.	
11-01	Pilot Seats					
-01	Vertical Power Seat Adjustment Systems	С	2	0	 (M) May be inoperative provided: a) Affected system is deactivated, and b) Vertical Manual Seat Adjustment System operates normally. 	
-02	Vertical Manual Seat Adjustment Systems	С	2	0	 May be inoperative provided: a) Affected seat has failed in a position that permits normal pilot's visibility, b) Full flight control movement is available, and c) Position of seat is acceptable to flightcrew. 	
		С	2	0	May be inoperative provided Vertical Power Seat Adjustment System operates normally.	
-03	Longitudinal Seat Adjustment Systems	С	2	0	May be inoperative provided backup system operates normally.	
					(Continued)	

	TMENT OF TRANSPORTA		N		MASTE	R MINIMUM EQUIPMENT	LIST		
FEDERAL A	VIATION ADMINISTRATIO	1				Г			
AIRCRAFT:		RE'	VISIO	N NC	PAGE NO.				
ERJ-170, ERJ-190			DATE: 08/03/2017 25-2						
			MMEL TABLE KEY						
SYSTEM &		1. REPAIR CATEGORY				-D			
SEQUENCE	ITEM		2. 1		BER INSTALL	UIRED FOR DISPATCH			
NO.				3. 1		OR EXCEPTIONS			
25. EQUIPMI	ENT/FURNISHINGS				4. INDIMARKO	ON EXOLI HONO			
Sequence No.	Item	1	2	3	4		Change Bar		
11-01	Pilot Seats (Cont'd)						Dui		
-04	Lateral Seat Adjustment Systems	С	2	0	May be inope system opera	rative provided backup tes normally.			
		С	2	0	a) It has seat a b) Seat is	rative provided: failed with the affected t inboard position, and acceptable to affected nember.			
-05	Lumbar Supports	С	2	0		rative provided seat is affected crewmember.			
-06	Armrests	С	4	0	a) Affecte retract b) Seat is	operative provided: ed armrest is stowed in the ed position, and a acceptable to affected nember.			
-07	Recline Functions	С	2	0		rative provided seat is affected crewmember.			
-08	Headrests	С	2	0		rative provided seat is affected crewmember.			
-09	Thigh Supports	С	4	0		rative provided seat is affected crewmember.			

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	N		MASTE	R MINIMUM EQUIPMENT LIS	_	
FEDERAL A	VIATION ADMINISTRATIO	N			IVIASTE	R WIINIWOW EQUIPMENT LIS	ı	
AIRCRAFT:		RE'	VISIO	A NC	IO. 15	PAGE NO.		
ER	RJ-170, ERJ-190		DAT	E: 0	8/03/2017	25-3		
			MMEL TABLE KEY					
SYSTEM &		1. F			CATEGORY	-D		
SEQUENCE	ITEM		2.1		BER INSTALLI	UIRED FOR DISPATCH		
NO.				J. 1		OR EXCEPTIONS		
25. EQUIPMENT/FURNISHINGS								
Sequence No.	Item	1	2	3	4		ange ar	
11-02	Observer Seat (Including Associated Equipment)	A	1	0	a) A pass passe availal the pe and b) Repail 2 fligh	rative provided:		
					equipr safety b) Seat is FAA ir perfort and	red minimum safety ment (oxygen and belt) is available, s acceptable to an aspector for the mance of official duties, rs are made within t days.		
					prov abov FAA mini (oxy func dete acce	se provisos are intended to ide for occupancy of the ve seat by an inspector when the mum safety equipment gen and safety belt) is tional and the inspector rmines the conditions to be eptable.		
					dete safe for o	pilot-in-command will rmine if the minimum ty equipment is functional other persons authorized to upy observer seat.		
12-15	Sun Visors	С	2	0		rative or missing provided visual restrictions to member.		
12-17	Direct Vision Window Sunshades	С	2	0		rative or missing provided visual restrictions to member.		

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	V		MACTED	NAMEDIA IN A COLUDIACNIT I	LICT
FEDERAL A	VIATION ADMINISTRATIO	N			IVIASTER	R MINIMUM EQUIPMENT I	LIOI
AIRCRAFT:		RE	VISIO	A NC	IO. 15	PAGE NO.	
ER	ERJ-170, ERJ-190		DAT	E: 0	8/03/2017	25-4	
			EL T	ABL	E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2. [BER INSTALLED		
NO.				3. 1		IRED FOR DISPATCH OR EXCEPTIONS	
25. EQUIPMI	ENT/FURNISHINGS			<u> </u>	1 4. T(EI)	ON EXCENTIONS	
Sequence No.	Item	1	2	3	4		Change Bar
13-03 ***	Crew Baggage Stowage Straps in the Cockpit	D	-	0		perative or missing baggage is properly	
20-02	Overhead Storage Bin(s)/Cabin and Galley Storage Compartments/ Closets	C	-	-	a) Procedusecure of b) Associar is promi "DO NO c) Any emelocated is consided) Affected used for except from affixed. NOTE: If no parentire on compart one bin	perative provided: ures are established to compartment CLOSED, ited bin or compartment inently placarded OT USE", ergency equipment in affected compartment dered inoperative, and d compartment is not r storage of any item(s) for those permanently rtitions are installed, the verhead storage tment is considered or compartment.	
					(Continued)		

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	N		MARTED MINIMALIM FOLUDIMENT LIST				
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIST				
AIRCRAFT:		RE'	VISIO	A NC	NO. 15 PAGE NO.				
ERJ-170, ERJ-190			DAT	ΓΕ: 0	08/03/2017 25-5				
			MMEL TABLE KEY						
SYSTEM &		1. F	$\overline{}$	AIR CATEGORY					
SEQUENCE	ITEM		2. [MER INSTALLED				
NO.				3.1	NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS				
25. EQUIPM	ENT/FURNISHINGS				4. REMARKO GR EXCELLIGIO				
Sequence No.	Item	1	2	3	4 Change Bar				
20-02	Overhead Storage Bin(s)/Cabin and Galley Storage Compartments/ Closets (Cont'd)	С	-	-	 (M)(O) May be inoperative provided: a) Affected door(s) is removed, b) Associated bin or compartment is not used for storage of any items except for those permanently affixed, c) Associated bin or compartment is prominently placarded "DO NOT USE", d) Procedures are established and used to alert crewmembers and passengers of inoperative bins, and e) Passengers are briefed that associated bin or compartment is not used. NOTE 1: If no partitions are installed, the entire overhead storage compartment is considered one bin or compartment. NOTE 2: Any emergency equipment located in the associated compartment (permanently affixed) is available for use. 				
-01 ***	Storage Compartment Key Locks	D	-	0	(M) May be inoperative in the unlocked position provided doors can be secured by other means.				
20-03	Cabin/Galley Storage Latches (Dual Latch Installations)	С	-	-	One latch per compartment may be inoperative.				
20-05	"Fasten Seat Belt While Seated" Signs or Placards	С	-	-	One or more signs or placards may be illegible or missing provided a legible sign or placard is readable from each occupied passenger seat.				

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	N					
FEDERAL A	VIATION ADMINISTRATIC	N			MASTER MINIMUM EQUIPMENT LIST			
AIRCRAFT:			VISIO	A NC	NO. 15 PAGE NO.			
ER	RJ-170, ERJ-190		DAT	ΓE: 0	08/03/2017 25-6			
		ММ	MMEL TABLE KEY					
SYSTEM &		1. F	$\overline{}$		CATEGORY			
SEQUENCE	ITEM		2.1		MBER INSTALLED			
NO.				3.1	NUMBER REQUIRED FOR DISPATCH			
25 EOLIIDMI	ENT/FURNISHINGS	4. REMARKS OR EXCEPTIONS						
Sequence No.	Item	1	2	3	4 Change			
-	Non-Essential	•	_		Dar			
20-07	Ron-Essential Equipment and Furnishings (NEF)		-	0	May be inoperative, damaged, or missing provided that the item(s) is deferred in accordance with the operator's NEF deferral program. The NEF program, procedures, and processes are outlined in the operator's (insert name) Manual. (M) and (O) procedures, if required, must be available to the flightcrew and included in the operator's appropriate document. NOTE: Exterior Lavatory Door Ashtrays are not considered NEF Items.			
21-10	Passenger Seat(s)	D			 (M) May be inoperative provided: a) Seat does not block an Emergency Exit, b) Seat does not restrict any passenger from access to the main aircraft aisle, and c) The affected seat(s) are blocked and placarded "DO NOT OCCUPY". NOTE 1: A seat with an inoperative seat belt is considered inoperative. NOTE 2: Inoperative seats do not affect the required number of Flight Attendants. NOTE 3: Affected seat(s) may include the seat(s) behind and/or adjacent outboard seats. 			
					(Continued)			

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	N			
FEDERAL A	VIATION ADMINISTRATIC	N			MASTER MINIMUM EQUIPMENT I	∟IST
AIRCRAFT:		RE'	VISI	л ис	IO. 15 PAGE NO.	
ER	RJ-170, ERJ-190		DAT	ΓΕ: 0	8/03/2017 25-7	
-		_			E KEY	
SYSTEM &		1. H			CATEGORY BER INSTALLED	
SEQUENCE NO.	ITEM		2.1		NUMBER REQUIRED FOR DISPATCH	
NO.				\$56.80 A	4. REMARKS OR EXCEPTIONS	
	ENT/FURNISHINGS		1	1		Lou
Sequence No.	Item	1	2	3	4	Change Bar
21-10	Passenger Seat(s) (Cont'd)					
-01	Recline Mechanism	D	-	-	(M) May be inoperative and seat occupied provided seat back is secured in the full upright position.	
		D	-	-	May be inoperative and seat occupied provided seat back is immovable in the full upright position.	
-02	Underseat Baggage Restraining Bars	С	-	-	 (O) May be inoperative provided: a) Baggage is not stowed under seat with inoperative restraining bar, b) Associated seat is placarded "DO NOT STOW BAGGAGE UNDER THIS SEAT", and c) Procedures are established to alert Cabin Crew of inoperative restraining bar. 	
-03	Armrest					
-A	Armrest with Recline Mechanism	D	-	-	 (M) May be inoperative or missing and seat occupied provided: a) Armrest does not block an Emergency Exit, b) Armrest does not restrict any passenger from access to the main aircraft aisle, and c) If armrest is missing, seat is secured in the full upright position. 	
					(Continued)	

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	N			ICT		
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT I	_101		
AIRCRAFT:		RE'	VISIO	A NC	IO. 15 PAGE NO.			
ERJ-170, ERJ-190			DAT	ΓE: 0	8/03/2017 25-8			
-					E KEY			
SYSTEM &		1. I			DATEGORY BER INSTALLED			
SEQUENCE	ITEM		2.1		NUMBER REQUIRED FOR DISPATCH			
NO.				• •	4. REMARKS OR EXCEPTIONS			
25. EQUIPMENT/FURNISHINGS								
Sequence No.	Item	1	2	3	4	Change Bar		
21-10	Passenger Seat(s) (Cont'd)							
-03	Armrest (Cont'd)							
-В	Armrest without Recline Mechanism	D	-	-	May be inoperative or missing and seat occupied provided: a) Armrest does not block an Emergency Exit, and b) Armrest does not restrict any passenger from access to the main aircraft aisle.			
-04	Seat Translation Mechanism (LINEAGE 1000)	С	-	0	(M) May be inoperative provided seat is positioned and secured in the appropriate position for taxi, takeoff, and landing.	-		
21-20	Flight Attendant Seat Assembly (Single or Dual Position) (Except LINEAGE 1000)	С	-	0	 (M)(O) May be missing or inoperative provided: a) No passengers are carried, b) A maximum of 19 persons are carried as authorized by 14 CFR for non-passenger-carrying operations, c) Inoperative folding type seat stows automatically or is secured in the retracted position, and d) Alternate procedures are established and used. 			
					(Continued)			

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			•		MASTER MINIMUM EQUIPMENT LIST						
	VIATION ADMINISTRATIO		. // С : -		D. 45						
AIRCRAFT:	1170 ED 1100	KE			NO. 15 PAGE NO.						
ER	J-170, ERJ-190	МАКА			08/03/2017 25-9 LE KEY						
		_			CATEGORY						
SYSTEM & SEQUENCE	ITEM				IBER INSTALLED						
NO.	I I CIVI			3.1	NUMBER REQUIRED FOR DISPATCH						
25 FOLUDIA	ENT/EUDNICUINGS				4. REMARKS OR EXCEPTIONS						
Sequence No.	ENT/FURNISHINGS	1	2	3	4 Change						
21-20	Flight Attendant Seat			3	Bar						
21-20	Assembly (Single or Dual Position) (Except LINEAGE 1000) (Cont'd)				I						
-01	Required Flight Attendant Seats	В		-	 (M)(O) One seat position or assembly (dual position) may be inoperative provided: a) Affected seat position or seat assembly is not occupied, b) Flight attendant(s) displaced by inoperative seat(s) occupies either an adjacent flight attendant seat or the passenger seat which is most accessible to the inoperative seat(s), so as to most effectively perform assigned duties, c) Alternate procedures are established and used as published in crewmember manuals, d) Folding type seat stows automatically or is secured in the retracted position, and e) Passenger seat assigned to flight attendant is placarded "FOR FLIGHT ATTENDANT USE ONLY". NOTE 1: An automatic folding seat that will not stow automatically is considered inoperative. NOTE 2: A seat position with an inoperative or missing restraint system is considered inoperative. (Continued) 						

U.S. DEPAR	TMENT OF TRANSPORTA	OIT	V		MASTE	R MINIMUM EQUIPMENT I	IST
FEDERAL A	VIATION ADMINISTRATIO	N			MAGIL	IN MINIMONI EQUIT MENT	_101
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190	DATE: 08/03/2017				25-10	
	MM	EL T	ABL	E KEY			
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2. 1		BER INSTALLE		
NO.				3. ľ		UIRED FOR DISPATCH OR EXCEPTIONS	
25. EQUIPM	ENT/FURNISHINGS				4. INEMINITO	OK EXCEL HONC	
Sequence No.	Item	1	2	3	4		Change Bar
21-20	Flight Attendant Seat						
	Assembly (Single or Duel Besition)						
	(Single or Dual Position) (Except LINEAGE 1000)						1
	(Cont'd)						•
04	Deguined Eliabe				NOTE OF LETT	delugi oponetene velere	
-01	Required Flight Attendant Seats					ridual operators, when ating with inoperative	
	(Cont'd)				seat	s, will consider the	
						tions and combinations of	
						s to ensure that the imity to exits and	
						ibution requirements of the	
						icable 14 CFR are met.	
					NOTE 4: If on	e side of a dual seat	
					_	embly is inoperative and a	
					flight	t attendant is displaced to	
						adjacent seat, the adjacent	
					seat	must operate normally.	
-02	Excess Flight Attendant	С	-	-	(M) May be in	operative provided:	
	Seats				,	ed seat position or seat	
						bly is not occupied, and g type seat stows	
						atically or is secured in the	
					retract	ed position.	
					NOTE 1: Ap a	automatic folding seat that	
						not stow automatically is	
						sidered inoperative.	
					NOTE 2: A co	at position with an	
						erative or missing restraint	
					syste	em is considered	
					inop	erative.	

U.S. DEPAR	U.S. DEPARTMENT OF TRANSPORTATION										
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT I	_151					
AIRCRAFT:		RE'	VISIO	N NC	IO. 15 PAGE NO.						
ERJ-170, ERJ-190			DAT	E: 0	8/03/2017 25-11						
			MMEL TABLE KEY								
SYSTEM &		1. REPAIR CATEGORY 2. NUMBER INSTALLED									
SEQUENCE	ITEM		2.1		NUMBER REQUIRED FOR DISPATCH						
NO.				0. 1	4. REMARKS OR EXCEPTIONS						
25. EQUIPMENT/FURNISHINGS											
Sequence No.	Item	1	2	3	4	Change Bar					
22-04	Passenger Service Unit (PSU) Test/Reset Switches (Except LINEAGE 1000)	С	2	0	(O) May be inoperative provided alternate procedures are established and used.	_					
23-16	Powered Window Shades (LINEAGE 1000)	D	-	0	 (M) May be inoperative provided: a) The window shade of overwing exit is moved to open position, and b) System is deactivated. 						
25-00	Flight Attendant Panels (FAP) (Except LINEAGE 1000)					1					
-01	Forward FAP	В	1	0	 (O) May be inoperative provided: a) Aft FAP is operative b) Passenger Service Unit (PSU) Test/Reset Switches are considered inoperative, and c) Lavatory Smoke Test Switches are considered inoperative. NOTE: Any function on the FAP which						
					operates normally may be used.						
-02	Aft FAP	В	1	0	(O) May be inoperative provided:a) Forward FAP is operative, andb) Water/Waste System indications are considered inoperative.						
					NOTE: Any function on the FAP which operates normally may be used.						

	VIATION ADMINISTRATIO						
AIRCRAFT:	11470 FD 1400	KE					
EF	RJ-170, ERJ-190				8/03/2017 25-12		
		_			E KEY		
SYSTEM &		1. 1			CATEGORY BER INSTALLED		
SEQUENCE	ITEM		2.1		NUMBER REQUIRED FOR DISPATCH		
NO.				0. 1	4. REMARKS OR EXCEPTIONS		
25. EQUIPM	ENT/FURNISHINGS				,		
Sequence No.	Item	1	2	3	4	Chang	
27-01	Drop-Down Window on Aft Cabin Divider (Except LINEAGE 1000)	D	-	0	(M) May be inoperative provided it is removed or secured in the down position.		
30-03	Galley Waste Receptacles Access Doors/Covers	С	-	-	 (M)(O) May be inoperative provided: a) The container is empty and the access is secured to prevent waste introduction into the compartment, and b) Procedures are established to ensure that sufficient galley waste receptacles are available to accommodate all waste that may be generated on a flight. 		
34-03 ***	Wheelchair Restraint System	D	-	0	As required by regulations.		
40-03	Exterior Lavatory Door Ashtrays						
-01	Airplanes with More Than One Exterior Lavatory Door Ashtray Installed	A	-	-	One may be missing provided it is replaced within 10 consecutive calendar-days.		
-02	Airplanes with Only One Exterior Lavatory Door Ashtray Installed	A	1	0	May be missing provided it is replaced within 3 consecutive calendar-days.		

	TMENT OF TRANSPORTA		N		MASTE	R MINIMUM EQUIPMENT I	₋IST			
FEDERAL A	VIATION ADMINISTRATIO	N								
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.				
ERJ-170, ERJ-190		DATE: 08/03/2017 25-13								
			MMEL TABLE KEY							
SYSTEM &		1. F			CATEGORY					
SEQUENCE	ITEM		2.1		BER INSTALLI					
NO.				J. N		UIRED FOR DISPATCH OR EXCEPTIONS				
25. FOLIIPMI	ENT/FURNISHINGS				+. INEIVIARINO	ON LACEF HONS				
Sequence No.	Item	1	2	3	4		Change			
45-01	Lavatory Waste	C	-	-		operative provided:	Bar			
7 0-01	Receptacle Access		_	-		iated lavatory waste				
	Door				,	acle is empty,				
					b) Lavato	ory is used only by				
						nembers, and				
						ory door is locked closed acarded "INOPERATIVE –				
						OT ENTER".				
						_				
						provisos are not intended				
						nibit lavatory use or stions by crewmembers.				
					inspec	aions by orewineiiibeis.				
61-00	Emergency Locator									
***	Transmitter (ELT)									
-01	Survival Type ELTs	D	_	_	Any in excess	of those required by				
- 	Odivival Type LLTS		_	_		be inoperative or missing.				
	E: 1E1 =			_						
-02	Fixed ELTs	Α	-	0		operative provided:				
					, ,	n is deactivated, and rs are made within				
						secutive calendar-days.				
				_		·				
		Α	-	0	•	ng provided repairs				
					are made with	nın e calendar-days.				
					JO CONSCOUNT	o oaionaar-aays.				
		D	-	0		cess of those required by				
					•	be inoperative provided				
					system is dea	ctivated.				
		D	_	0	Any in excess	of those required by				
						be inoperative or missing.				

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	N					
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIST			
AIRCRAFT:			VISIO	N NC	NO. 15 PAGE NO.			
ERJ-170, ERJ-190			DAT	ΓE: 0	08/03/2017 25-14			
	_	MMEL TABLE KEY						
SYSTEM &		1. F			CATEGORY ARER INSTALLED			
SEQUENCE	ITEM	NUMBER INSTALLED NUMBER REQUIRED FOR DISPATCH						
NO.		4. REMARKS OR EXCEPTIONS						
25. EQUIPM	ENT/FURNISHINGS							
Sequence No.	Item	1	2	3	4 Change Bar			
62-01	Emergency Medical Equipment							
-01	Automatic External Defibrillator (AED) and/or Associated Equipment	A	-	0	 (O) May be incomplete, missing, or inoperative provided: a) AED is resealed in a manner that will identify it as a unit that cannot be mistaken for a fully serviceable unit, and b) Repairs or replacements are made within one flight. 			
		D	-	0	Any in excess of those required by 14 CFR may be incomplete, missing, or inoperative.			
-02	Emergency Medical Kit (EMK) and/or Associated Equipment	A	-	0	 (O) May be incomplete, missing, or inoperative provided: a) EMK is resealed in a manner that will identify it as a unit that cannot be mistaken for a fully serviceable unit, and b) Repairs or replacements are made within one flight. 			
		D	-	0	Any in excess of those required by 14 CFR may be incomplete, missing, or inoperative.			
					(Continued)			

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FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIS)			
AIRCRAFT:		RE'	VISIO	A NC	IO. 15 PAGE NO.				
ERJ-170, ERJ-190			DATE: 08/03/2017 25-15						
			MMEL TABLE KEY 1. REPAIR CATEGORY						
SYSTEM &		1.1			BER INSTALLED				
SEQUENCE	ITEM		2. 1		NUMBER REQUIRED FOR DISPATCH				
NO.		4. REMARKS OR EXCEPTIONS							
25. EQUIPMI	25. EQUIPMENT/FURNISHINGS								
Sequence No.	Item	1	2	3		hange Bar			
62-01	Emergency Medical Equipment (Cont'd)								
-03	First Aid Kit (FAK) and/or Associated Equipment	A	-	-	 (O) If more than one is required by 14 CFR, only one of the required first aid kits may be incomplete, missing, or inoperative provided: a) FAK is resealed in a manner that will identify it as a unit that cannot be mistaken for a fully serviceable unit, and b) Repairs or replacements are made within one flight. 				
		D	-	-	Any in excess of those required by 14 CFR may be incomplete, missing, or inoperative.				
62-02	Flotation Equipment (Crew and Passenger)	D	-	-	Any in excess of those required by 14 CFR may be inoperative or missing provided required distribution is maintained.				
62-03	Megaphones	D	-	-	Any in excess of those required by 14 CFR may be inoperative or missing provided: a) Inoperative megaphone is removed from the passenger cabin, b) Associated placard is removed or obscured, and c) Required distribution is maintained.				
		С	-	0	 (O) May be missing or inoperative provided: a) No passengers are carried, b) A maximum of 19 persons are carried as authorized by 14 CFR for non-passenger-carrying operations, and c) Alternate procedures are established and used. 				

TMENT OF TRANSPORT	ATIOI	N		MASTER MINIMUM EQUIPMENT I	.IST		
VIATION ADMINISTRATIO	N						
	RE'	VISIO	N NC	O. 15 PAGE NO.			
ERJ-170, ERJ-190			E: 0	8/03/2017 25-16			
	1. F						
ITEM		2. r					
			3. I	-			
ENT/FURNISHINGS	THE TRANSPORT OF THE PROPERTY						
Item	1	2	3	4	Change Bar		
Pyrotechnic Signal Devices	D	-	-	Any in excess of those required by 14 CFR may be inoperative or missing.			
Flight Deck/Attendant Flashlight and Holder Assemblies							
Flashlight	С	-	-	May be inoperative or missing provided crewmember assigned to associated seat has a flashlight of equivalent characteristics readily available.			
	С	-	0	(O) May be missing or inoperative provided: a) No passengers are carried, b) A maximum of 19 persons are carried as authorized by 14 CFR for non-passenger-carrying operations, and c) Alternate procedures are established and used.			
Holder Assembly	С	-	-	May be inoperative or missing provided alternate stowage means are provided.			
Overwing Escape Hatch Lifeline	D	-	0	May be inoperative or missing provided airplane is not operated on extended overwater flights.			
	ITEM ENT/FURNISHINGS Item Pyrotechnic Signal Devices Flight Deck/Attendant Flashlight and Holder Assemblies Flashlight Holder Assembly Overwing Escape	MM ITEM ENT/FURNISHINGS Item I Pyrotechnic Signal Devices Flight Deck/Attendant Flashlight and Holder Assemblies Flashlight Flashlight C C Overwing Escape D RE MM I. F. C C C C D C D C C C C C C	ITEM ENT/FURNISHINGS Item 1 2 Pyrotechnic Signal Devices Flight Deck/Attendant Flashlight and Holder Assemblies Flashlight C - C - Overwing Escape D - REVISIO DAT MMEL T 1. REP/ 2. I C - C - T - Overwing Escape D -	VIATION ADMINISTRATION REVISION N DATE: 0 MMEL TABL 1. REPAIR C 2. NUM 3. N ENT/FURNISHINGS Item 1 2 3 Pyrotechnic Signal Devices Flight Deck/Attendant Flashlight and Holder Assemblies Flashlight C C - 0 Holder Assembly C Overwing Escape D - 0	MASTER MINIMUM EQUIPMENT L REVISION NO. 15 DATE: 08/03/2017 MMEL TABLE KEY 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS ENT/FURNISHINGS Item 1 2 3 4 Pyrotechnic Signal Devices Flight Deck/Attendant Flashlight and Holder Assemblies Flashlight C May be inoperative or missing provided crewmember assigned to associated seat has a flashlight of equivalent characteristics readily available. C - 0 (O) May be missing or inoperative provided: a) No passengers are carried, b) A maximum of 19 persons are carried as authorized by 14 CFR for non-passenger-carrying operations, and c) Alternate procedures are established and used. Holder Assembly C May be inoperative or missing provided alternate stowage means are provided. Overwing Escape Hatch Lifeline		

U.S. DEPARTMENT OF TRANSPORTATION MASTER MINIMUM EQUIPMENT LIST										
FEDERAL AVIATION ADMINIS	TRATION									
AIRCRAFT:	RE'	/ISION NO. 15		IO. 15	PAGE NO.					
ERJ-170, ERJ-190		DAT	E: 0	8/03/2017	25-17					
		MEL TABLE KEY								
SYSTEM &	1. F			CATEGORY						
SEQUENCE ITEM		2. ľ		BER INSTALLE						
NO.		3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS								
25. EQUIPMENT/FURNISHING	s.	4. REMARKS ON EXCELLIONS								
Sequence No. Item	1	2	3	4		Change Bar				
		_			excess of those required	Bar				
66-01 *** Life Raft	D		0	for the intended inoperative or overwater flight a) Requirement mainta b) Inoperation installed inoperation in the content of	red distribution is sined, ative life raft and its red location are placarded ative, practical, the inoperative is secured out of sight, dures are established and or alert crewmembers of ative or missing ment. The description of the description of the control					

U.S. DEPAR	TMENT OF TRANSPORT	OITA	N			СТ				
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIS	3 1				
AIRCRAFT:		RE'	VISIO	N NC	IO. 15 PAGE NO.					
ER	J-170, ERJ-190		DATE: 08/03/2017 26-1							
		_	MMEL TABLE KEY							
SYSTEM &		1. F			CATEGORY BER INSTALLED					
SEQUENCE	ITEM		2.1		NUMBER REQUIRED FOR DISPATCH					
NO.				0.1	4. REMARKS OR EXCEPTIONS					
26. FIRE PR	OTECTION									
Sequence No.	Item	1	2	3	4	hange Bar				
10-01	Lavatory Smoke Detection System (LINEAGE 1000)					_				
-01	Fwd and Mid Cabin Lavatory	С	-	-	 (M)(O) May be inoperative provided: a) Lavatory waste receptacle is empty, and b) Lavatory door is locked closed and placarded "INOPERATIVE – DO NOT ENTER". 					
		С	-	-	For each lavatory, the lavatory smoke detection system may be inoperative provided: a) Lavatory waste compartment fire extinguisher is operative and b) Operating rules do not require a smoke detector.					
-02	VIP Cabin Lavatory	С	-	-	 (M)(O) May be inoperative provided: a) Lavatory waste receptacle is empty, and b) Lavatory door is locked closed and placarded "INOPERATIVE – DO NOT ENTER". NOTE: These provisos are not intended to prohibit lavatory use or 					
10-02	Mid Cabin (IFE) Rack Smoke Detection System (LINEAGE 1000)	С	-	0	inspections by crewmembers. (M) May be inoperative provided: a) The IFE system is deactivated, and b) The SATCOM system is deactivated.	Ι				
12-00	APU Fire/Overheat Detection Loops	С	2	0	Except for ER operations, both loops may be inoperative provided APU is not used.					

U.S. DEPAR	J.S. DEPARTMENT OF TRANSPORTATION MASTER MINIMUM EQUIPMENT LIST										
FEDERAL A	VIATION ADMINISTRATIO	N			WAOTER WINNIWOW EQU		_101				
AIRCRAFT:		RE'	VISIO	N NC	IO. 15 PAGE NO.						
ER	RJ-170, ERJ-190	DATE: 08/03/2017 26-2									
		MM	MMEL TABLE KEY								
SYSTEM &		1. F			CATEGORY						
SEQUENCE	ITEM	_		2. NUMBER INSTALLED							
NO.				3. ľ	NUMBER REQUIRED FOR DISP 4. REMARKS OR EXCEPTION						
26. FIRE PRO	OTECTION				14. KEWAKKO OK EXCEL HON	0					
Sequence No.	Item	1	2	3	4		Change Bar				
14-00	Lavatory Smoke Detection System (Except LINEAGE 1000)	С	-	-	(M)(O) For each lavatory, the last smoke detection system may be inoperative provided: a) Lavatory waste receptance empty, b) Lavatory door is locked and placarded "INOPER DO NOT ENTER", and c) Lavatory is used only by crewmembers. NOTE: These proviso are not in to prohibit lavatory use of inspections by crewmem	ele is closed ATIVE – tended	I				
14-01	Lavatory Smoke Test Switches on Flight Attendant Panel (Except LINEAGE 1000)	C		0	(O) May be inoperative provided Lavatory Smoke Detector is test each flight day.						

	TMENT OF TRANSPORTA		MASTER MINIMUM EQUIPMEN					
FEDERAL A	VIATION ADMINISTRATIO	N						
AIRCRAFT:		RE'	VISI	A NC	IO. 15	PAGE NO.		
EF	RJ-170, ERJ-190		DAT	ΓΕ: 0	8/03/2017	26-3		
		MM	EL T	ABL	E KEY			
SYSTEM &		1. F	$\overline{}$		CATEGORY			
SEQUENCE	ITEM		2.1		BER INSTALLI			
NO.		3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS						
26. FIRE PR	OTECTION	<u> </u>	1 1 4. KLWAKKS OK EXCEPTIONS					
Sequence No.	Item	1	2	3	4		Change	
		1	2	3	4		Bar	
15-00	Cargo Compartment Smoke Detection System							
-01	Forward Cargo Compartment Smoke Detectors	С	-	0	procedures ar ensure the as remains empt only empty ca	operative provided re established and used to sociated compartment y or is verified to contain argo handling equipment, at may be loaded in ULDS), ray Kits.		
					which inclusi	tor MELs must define items are approved for on in the Fly Away Kits hich materials can be used last.		
	(EMBRAER 170/175)	С	3	1		rative provided live ot carried in the forward tment.	I	
	(EMBRAER 190/195 Except LINEAGE 1000)	С	4	2		rative provided live ot carried in the forward tment.		
					(Continued)			

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	V					
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIS	ST		
AIRCRAFT:		RE	VISIO	N NC	NO. 15 PAGE NO.			
ERJ-170, ERJ-190			DAT	E: 0	08/03/2017 26-4			
		_	MMEL TABLE KEY					
SYSTEM &		1. 1			CATEGORY IBER INSTALLED			
SEQUENCE NO.	ITEM		3. NUMBER REQUIRED FOR DISPATCH					
W 10 W 10 W 10 W 10 W 10 W 10 W 10 W 10			4. REMARKS OR EXCEPTIONS					
26. FIRE PR								
Sequence No.	Item	1	2	3		ange Bar		
15-00	Cargo Compartment Smoke Detection System (Cont'd)							
-02	Aft Cargo Compartment Smoke Detectors	С	-	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.			
					NOTE: Operator MELs must define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.			
	(ERJ-170-100/200)	С	2	1				
	(EMBRAER 190/195 Except LINEAGE 1000)	С	3	2				
16-00	Recirculation System Smoke Detector				}			
	(All Configurations Except LINEAGE 1000)	В	1	0	(O) Except for ER operations, may be inoperative or missing provided: a) Recirculation Fans (RECIRC) remain selected off, b) Both air conditioning packs are operating normally, and c) Live animals are not carried in the forward cargo compartment.			
					(Continued)			

	VIATION ADMINISTRATIO							
AIRCRAFT: EF	RJ-170, ERJ-190	RE\	REVISION NO. 15 PAGE NO. 26-5					
		ММ	MMEL TABLE KEY					
SYSTEM & SEQUENCE NO. 26. FIRE PR	ITEM		REP/	EPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS				
Sequence No.	Item	1	2	3	4	Change		
16-00	Recirculation System Smoke Detector (Cont'd)	•		3	<u> </u>	Bar		
	(EMBRAER 170/175)	В	1	0	 (M)(O) May be inoperative provided: a) Recirculation Fans (RECIRC) remain selected off, b) One Air Conditioning Pack is operating normally, c) Live animals are not carried in the forward cargo compartment, and d) Both Engine ITT margins are verified to be within limits. 			
	(All Configurations Except LINEAGE 1000)	В	1	0	 (O) Except for ER operations, may be inoperative or missing provided: a) Recirculation Fans (RECIRC) remain selected off, b) One Air Conditioning Pack is operating normally, and c) Live animals are not carried in the forward cargo compartment. 			
18-01 ***	In-Flight Entertainment System (IFE) Smoke Detector (Except LINEAGE 1000)	D	1	0	(M) May be inoperative provided IFE system is deactivated.	I		
22-00	APU Fire Extinguishing System	С	1	0	Except for ER operations, may be inoperative provided APU is not used.			

U.S. DEPAR	U.S. DEPARTMENT OF TRANSPORTATION MASTER MINIMUM EQUIPMENT LIST										
FEDERAL A	VIATION ADMINISTRATIO	N			WINCTE	IN WINNINGWI EQON WEINT E					
AIRCRAFT:		RE'	VISIO	A NC	IO. 15	PAGE NO.					
ER	RJ-170, ERJ-190	DATE			8/03/2017 26-6						
	,	ММ	EL T	TABLE KEY							
OVOTENA					CATEGORY						
SYSTEM & SEQUENCE	ITEM	2. NUMBER INSTALLED				ED					
NO.	I I CIVI			3.1		UIRED FOR DISPATCH					
W440 W X X X X X X		1			4. REMARKS	OR EXCEPTIONS					
26. FIRE PR	OTECTION	1	ı	ı							
Sequence No.	Item	1	2	3	4		Change Bar				
22-09	APU Fire Extinguisher Button Illumination	С	1	0	APU FIRE Warning Stop Button III	operative provided arning EICAS Message, ng lights, APU Emergency lumination, and Aural verified to operate					
		С	1	0		operations, may be ovided APU is not used.					
23-00	Cargo Compartment Fire Extinguishing System										
-01	Forward Cargo Compartment Fire Extinguishing System	С	1	0	procedures ar ensure the as remains empt only empty ca ballast (ballas and/or Fly Aw NOTE: Opera which inclusion	tor MELs must define items are approved for on in the Fly Away Kits hich materials can be used					
					(Continued)						

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	N		N44.0TE						
FEDERAL A	VIATION ADMINISTRATIO	N			MASTE	R MINIMUM EQUIPMENT I	LIST				
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.					
ER	J-170, ERJ-190		DAT	ATE: 08/03/2017 26-7							
		_	MMEL TABLE KEY								
SYSTEM &		1. H	$\overline{}$		CATEGORY BER INSTALLI	En					
SEQUENCE	ITEM		2.1			UIRED FOR DISPATCH					
NO.				• •		OR EXCEPTIONS					
26. FIRE PRO	OTECTION										
Sequence No.	Item	1	2	3	4		Change Bar				
23-00	Cargo Compartment Fire Extinguishing System (Cont'd)										
-02	Aft Cargo/Baggage Compartment Fire Extinguishing System	С	1	0	procedures arensure the as remains empty only empty caballast (ballas and/or Fly Aw NOTE: Opera which inclusi	itor MELs must define items are approved for on in the Fly Away Kits hich materials can be used					
24-01	Portable Fire Extinguishers	D	-	-	14 CFR may I provided: a) The in is tagg from the placed be mis and	s of those required by be inoperative or missing operative fire extinguisher ged inoperative, removed he installed location, and dout of sight so it cannot staken for a functional unit, ared distribution is ained.					

U.S. DEPAR	TMENT OF TRANSPORTA	OIT	U.S. DEPARTMENT OF TRANSPORTATION MASTER MINIMUM EQUIPMENT LIST										
FEDERAL A	VIATION ADMINISTRATIO	N			IVIASTE	R WIINIWOW EQUIPMENT	LIST						
AIRCRAFT:		RE'	VISIO	ON N	IO. 15	PAGE NO.							
ERJ-170, ERJ-190			DAT	26-8									
			IMEL TABLE KEY										
SYSTEM &		1. F			CATEGORY								
SEQUENCE	ITEM	2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR											
NO.				3. ľ									
26. FIRE PRO	OTECTION	4. REMARKS OR EXCEPTIONS											
Sequence No.	Item	1	2	3	4		Change						
		1 C	-	-	For each laval extinguisher is provided Lava system operal (M)(O) For eafire extinguish inoperative properative pr	nch lavatory, the lavatory ner system may be rovided: ory waste receptacle is	Change Bar						

U.S. DEPAR	TMENT OF TRANSPORT	OITA	N		*44.OTE	TO A MANUAL FOLLIDATION	· : • T
FEDERAL A	VIATION ADMINISTRATION	NC			MASTE	R MINIMUM EQUIPMENT	LIST
AIRCRAFT:		RE	VISIO	A NC	IO. 15	PAGE NO.	
ER	RJ-170, ERJ-190	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	DAT	ΓΕ: 0	8/03/2017	26-9	
					E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALLE	UIRED FOR DISPATCH	
NO.				J. 1		OR EXCEPTIONS	
26. FIRE PR	OTECTION						
Sequence No.	Item	1	2	3	4		Change Bar
27-01	Lavatory Fire Extinguishing System (LINEAGE 1000)						ı
-01	Fwd and Mid Cabin Lavatory	С	-	-	a) Lavato empty b) Lavato and pl	e inoperative provided: bry waste receptacle is , and bry door is locked closed acarded "INOPERATIVE – DT ENTER".	
		С	-	-	fire extinguish inoperative pr a) Lavato systen b) Opera	ach lavatory, the lavatory ning system may be covided: ory smoke detection on operates normally, and ting rules do not require a stection system.	
-02	VIP Cabin Lavatory	C	-	-	a) Lavato empty b) Lavato and ploop NOTE: These to prof	e inoperative provided: bry waste receptacle is , and bry door is locked closed acarded "INOPERATIVE – DT ENTER". e provisos are not intended hibit lavatory use or ctions by crewmembers.	

RTMENT OF TRANSPORTA	OITA	N_		MASTE	R MINIMUM FOLUPMENT	LIST
VIATION ADMINISTRATIO	N			1VI/ (O I L		
	RE'	VISIO	N NC	IO. 15	PAGE NO.	
RJ-170, ERJ-190		DAT	E: 0	8/03/2017	27-1	
	1. F				ED.	
ITEM		2. 1				
CONTROLS						
Item	1	2	3	4		Change Bar
Flight Controls System						
System Faults (Post-Mod Epic Load 25.3, 25.4, and on)	A	1	0	FLT CTRL FA message syst	AULT Advisory EICAS tem faults provided repairs	
Flight Controls Panel						
Flight Control Mode Pushbuttons Illumination	С	3	0	associated pu operative and	ishbutton is verified no ELEVATOR FAULT,	
Stick Shaker System Cutout Pushbutton Illumination	С	2	0			
Pitch Trim system Channel Cutout Pushbutton Illumination	С	2	0			
ROLL CONTROL DISC Advisory EICAS Message	В	1	0	a) Both of to be of flight, a b) Autopi	control wheels are verified connected before each and lot Channels are	
	ITEM CONTROLS Item Flight Controls System System Faults (Post-Mod Epic Load 25.3, 25.4, and on) Flight Control Mode Pushbuttons Illumination Stick Shaker System Cutout Pushbutton Illumination Pitch Trim system Channel Cutout Pushbutton Illumination ROLL CONTROL DISC Advisory EICAS	CONTROLS Item 1	REVISION DATE ITEM TEM TO THE ITEM TEM TEM TO THE ITEM TEM TEM TEMPORATE ITEM ORATE ITEMPORA	RJ-170, ERJ-190 RBJ-170, ERJ-190 REVISION N DATE: 0 MMEL TABL 1. REPAIR (2. NUM 3. N Flight Controls System System Faults (Post-Mod Epic Load 25.3, 25.4, and on) Flight Control Mode Pushbuttons Illumination Stick Shaker System Cutout Pushbutton Illumination CC 2 0 CC	MASTE MIATION ADMINISTRATION REVISION NO. 15 DATE: 08/03/2017 MMEL TABLE KEY 1. REPAIR CATEGORY 2. NUMBER INSTALLI 3. NUMBER REQ 4. REMARKS CONTROLS Item 1 2 3 4 Flight Controls System System Faults (Post-Mod Epic Load 25.3, 25.4, and on) Flight Control Mode Pushbuttons Illumination Flight Control Mode Pushbuttons Illumination CC 2 0 (O) May be in associated purpoperative and RUDDER FAI is present. Stick Shaker System Cutout Pushbutton Illumination Pitch Trim system Channel Cutout Pushbutton Illumination ROLL CONTROL DISC Advisory EICAS Message MASTE REVISION NO. 15 DATE: 08/03/2017 MMEL TABLE KEY 1. REPAIR CATEGORY 2. NUMBER INSTALLI 3. NUMBER REQ 4. REMARKS 0 (O) May be dispared are made with associated purpoperative and RUDDER FAI is present. CC 2 0 (M) May be in pitch trim chard operative. ROLL CONTROL DISC Advisory EICAS Message	MASTER MINIMUM EQUIPMENT VIATION ADMINISTRATION REVISION NO. 15 DATE: 08/03/2017 MMEL TABLE KEY 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS CONTROLS Item 1 2 3 4 Flight Controls System System Faults (Post-Mod Epic Load 25.3, 25.4, and on) Flight Control Mode Pushbuttons Illumination C 3 0 (O) May be inoperative provided the associated pushbutton is verified operative and no ELEVATOR FAULT, RUDDER FAULT, or SPOILER FAULT is present. Stick Shaker System Cutout Pushbutton Illumination Pitch Trim system Channel Cutout Pushbutton Illumination ROLL CONTROL DISC Advisory EICAS B 1 0 (O) May be inoperative provided the associated pushbutton is verified operative. C 2 0 (M) May be inoperative provided the associated pushbutton is verified operative. Advisory EICAS B 1 0 (O) May be inoperative provided the pitch trim channels are verified operative. Advisory EICAS

U.S. DEPAR	TMENT OF TRANSPORTA	OIT	N		MASTE	R MINIMUM EQUIPMENT I	∟IST	
FEDERAL A	VIATION ADMINISTRATIO	N						
AIRCRAFT:		RE	VISIO	N NC	IO. 15	PAGE NO.		
ER	J-170, ERJ-190	DATE: 08/03/2017 27-2						
		MMI	EL T	ABL	E KEY			
SYSTEM &		1. F	REP/	AIR C	CATEGORY			
SEQUENCE	ITEM		2.1		BER INSTALL			
NO.	I I LIVI			3. N		UIRED FOR DISPATCH		
Med 20 (200 St 2017)					4. REMARKS	OR EXCEPTIONS		
27. FLIGHT (1		1		ı		Change	
Sequence No.	Item	1	2		4		Change Bar	
14-01	Flight Roll Trim Position Indication on EICAS	С	1	0		operative provided rerified centered before		
14-02	Aileron Trim System	С	1	0	` '	operative provided roll trim activated at neutral		
						rim position indication on S will be inoperative.		
23-03	Rudder Pedal Adjustment System	С	2	0	Pedals position	rative provided Rudder on is acceptable to the crew member.		
		С	2	0	Pedals may b	operative provided Rudder e adjusted to suit trequirements.		
24-01	Yaw Trim Position Indication on EICAS	В	1	0		operative provided Rudder tered before each flight.		
31-06	PITCH CONTROL DISC Advisory EICAS Message	В	1	0	a) Both of to be of flight, a b) Autopi	operative provided: control columns are verified connected before each and lot Channels are lered inoperative.		
33-05	Elevator Thrust Compensation (ETC) Function				Deleted, Revi	sion 12.		
33-06 ***	Tail Strike Avoidance (EMBRAER 190/195)	С	1	0		operative provided tail ace procedures are and used.	l	

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	N		MACTE		IOT		
FEDERAL A	VIATION ADMINISTRATIO	N			MASTE	R MINIMUM EQUIPMENT L	-151		
AIRCRAFT:		RE	VISIO	N NC	IO. 15	PAGE NO.			
ER	J-170, ERJ-190		DATE: 08/03/2017 27-3						
			MMEL TABLE KEY						
SYSTEM &		1. F	$\overline{}$		CATEGORY BER INSTALLI	ED			
SEQUENCE	ITEM		2.1			UIRED FOR DISPATCH			
NO.				0.1		OR EXCEPTIONS			
27. FLIGHT	CONTROLS								
Sequence No.	Item	1	2	3	4		Change Bar		
36-01	Stick Shakers	В	2	1	Stall Warning	be inoperative provided System is verified to ally before each departure.			
41-01	Pitch Trim Position Indication on EICAS	В	1	0	horizontal stal	e inoperative provided bilizer position is set by kings on tail cone before			
41-09	AUTO CONFIG TRIM Function				Deleted, Revi	sion 12.			
43-02	Pitch Trim Switches								
-01	Pitch Trim Switches on Yoke	С	2	1					
-02	Backup Trim Switch on the Control Pedestal	С	1	0		rative provided both pitch on yokes are operating			
53-00	Slat/Flap Electrical System	В	4	3	provided: a) Slat C Flap C operat b) There Net Ta	hannel 01 or 02 may be inoperative hannel 02 and Channel 01 are verified tive, and are no obstacles in the akeoff Flight Path above Off Height.			
						or Slats will operate at half sion and retraction rates.			
53-02	Slat/Flap Actuator Control Electronic (SF-ACE) Channels				Deleted, Revi item 27-53-00	sion 12. (Included in)).			

AIRCRAFT: ERJ- SYSTEM & SEQUENCE NO. 28. FUEL Sequence No. Ite 00-00 F C (I	ITEM Tuel System Synoptic Displays MFD Fuel Page) Orain Valves EMBRAER 170/175)	RE'	DAT EL T	E: 0 ABL AIR (PAGE NO. 8/03/2017 28-1 E KEY CATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 4 (O) MFD indications not addressed	Chang Bar
SYSTEM & SEQUENCE NO. 28. FUEL Sequence No. Ite 00-00 F C (I	ITEM Fuel System Synoptic Displays MFD Fuel Page) Orain Valves	1. F	EL T REPA 2. N	ABL AIR (NUM 3. N	E KEY CATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
SEQUENCE NO. 1te	Fuel System Synoptic Displays MFD Fuel Page) Drain Valves	1. F	2. N	AIR (NUM 3. N	CATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
SEQUENCE NO. 1te	Fuel System Synoptic Displays MFD Fuel Page) Drain Valves	1	2. 1	3. N 3. N	BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
SEQUENCE NO. 1te	Fuel System Synoptic Displays MFD Fuel Page) Drain Valves		2	3. 1	AUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
NO. 28. FUEL Sequence No. Ite 00-00 F (I	Fuel System Synoptic Displays MFD Fuel Page) Drain Valves			3	4. REMARKS OR EXCEPTIONS	
Sequence No. Ite 00-00 F	fuel System Synoptic Displays MFD Fuel Page) Orain Valves				4	
Sequence No. Ite 00-00 F	fuel System Synoptic Displays MFD Fuel Page) Orain Valves					
00-00 F	fuel System Synoptic Displays MFD Fuel Page) Orain Valves					Bar
11-05 D	Displays MFD Fuel Page) Drain Valves		2	U		
(I					elsewhere in the MMEL may be inoperative.	
`	EMBRAER 170/175)					
I)		С	4	3	(M) One may be inoperative provided there is no evidence of leakage.	I
	EMBRAER 170/175)	В	4	2	(M) One Inner Drain Valve and one Outer Drain Valve on the opposite side may be inoperative provided there is no evidence of leakage.	l
	uxiliary Fuel System LINEAGE 1000)	С	1	0	 (M)(O) May be inoperative provided: a) Both auxiliary tanks are empty, b) Fuel Transfer Mode is selected OFF, and c) Isolation pushbutton is pushed in. 	I
T V	wd and Aft Auxiliary Tank Vent Shutoff Valves LINEAGE 1000)	С	2	0	(M) May be inoperative if affected valves are verified open during refueling and are closed after refueling panel is closed.	I
-	Crossfeed Override function	С	1	0	Except for ER operations, may be inoperative.	
F	TUEL AC PUMP 1(2) TAIL Advisory EICAS Messages	С	2	0	(O) May be inoperative provided associated pump is verified to operate normally before each flight.	
		С	2	0	(M) May be inoperative provided associated pump is verified to operate normally before each flight.	

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	N		
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIST
AIRCRAFT:		1	VISI	A NC	IO. 15 PAGE NO.
ER	RJ-170, ERJ-190		DAT	ΓE: 0	8/03/2017 28-2
		_			E KEY
SYSTEM &		1. F			CATEGORY
SEQUENCE	ITEM		2. 1		BER INSTALLED NUMBER REQUIRED FOR DISPATCH
NO.				0. 1	4. REMARKS OR EXCEPTIONS
28. FUEL					
Sequence No.	Item	1	2	3	4 Change Bar
22-01	DC Pump	В	1	0	 (M) May be inoperative provided: a) DC Pump is deactivated, b) DC Pump remains selected OFF, and c) AC power is available.
22-07	APU Fuel Shutoff Valve	С	1	0	(M) Except for ER operations, may be inoperative provided:a) APU is not used, andb) Valve is secured closed.
22-08	APU Fuel Feed Line	С	1	0	 (M) Except for ER operations, may be inoperative provided: a) APU fuel feed line is drained, b) APU fuel SOV is secured closed, and c) APU is not used.
22-17	APU FUEL SOV CLOSED Status EICAS Message	В	1	0	 (M) Except for ER operations, may be inoperative provided: a) APU is used only on the ground, and b) APU Fuel Shutoff Valve is verified closed after APU shutdown.
		С	1	0	Except for ER operations, may be inoperative provided APU is not used.
22-19	APU FUEL SOV FAIL Caution EICAS Message	В	1	0	 (M) Except for ER operations, may be inoperative provided: a) APU is used only on the ground, and b) APU Fuel Shutoff Valve is verified closed after APU shutdown.
		С	1	0	Except for ER operations, may be inoperative provided APU is not used.

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	V			
FEDERAL A	VIATION ADMINISTRATIO	N			MASTE	R MINIMUM EQUIPMENT LIST
AIRCRAFT:			VISIO	ON N	IO. 15	PAGE NO.
	J-170, ERJ-190	DATE: 08/03/2017				28-3
	·	ММ	EL T	ABL	E KEY	
SYSTEM &		1. F	$\overline{}$		CATEGORY	
SEQUENCE	ITEM		2.1		BER INSTALL	
NO.				3.1		UIRED FOR DISPATCH OR EXCEPTIONS
28. FUEL			<u></u>		4. INLINIATINO	ON EXCEPTIONS
Sequence No.	Item	1	2	3	4	Chang Bar
23-00	Pressure Defueling/Refueling System	С	1	0		operative provided ueled by gravity.
-01	Automatic Mode	С	1	0		operative provided ueled by pressure manual ravity.
23-09	Fuel Quantity Indication on Refueling Panel	С	1	0		operative provided ueled by pressure manual ravity.
23-13	Pressure Refueling/Defueling Adapter Cap	С	1	0	provided: a) Refuel checke before b) No lea	ling receptacle is visually ed for contamination each refueling, and alkage can be detected after ng is completed.
23-21	Defueling Shutoff Valve	С	1	0	(M) May be in valve is secur	operative provided shutoff ed closed.
23-27	RH/LH Tank Refueling Shutoff Valve Closed Indication Light on the Refueling Panel	С	2	0	\ , , ,	operative provided valve is sed prior to each refueling.
23-29	Defueling Shutoff Valve Open Indication Light on the Refueling Panel	С	1	0	valve is verifie	operative provided shutoff ed closed and then after uent defueling.
23-31	DEFUEL SOV OPEN Advisory EICAS Message	С	1	0		operative provided shutoff red closed except for

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	N		MA OTED MINIM IN FOURDMENT	
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT	LIST
AIRCRAFT:		1	VISIO	N NC	IO. 15 PAGE NO.	
ER	J-170, ERJ-190		DAT	ΓE: 0	8/03/2017 28-4	
		MM	EL T	ABL	E KEY	
SYSTEM &		1. F	$\overline{}$		CATEGORY	
SEQUENCE	ITEM		2.1		BER INSTALLED	
NO.				3. 1	NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
28. FUEL				<u> </u>	4. REMARKS OR EXCEPTIONS	
Sequence No.	Item	1	2	3	4	Change
41-00	Wing Fuel Quantity Indication on EICAS and MFD (Electrical Fuel Quantity Indicating)	A	6	3	(M)(O) Except for ER operations, indications for one wing tank may be inoperative provided: a) Fuel quantity in associated tank is verified by an alternate means, b) Fuel flow and fuel used indications are available and are monitored throughout flight, c) Associated FUEL 1(2) LO LEVEL Warning EICAS message is operative, and d) Repairs are made within 3 flight days.	Bar
42-00	Magnetic Level Indicators	С	6	0	May be inoperative provided Fuel Quantity Indication on EICAS and MFD operates normally.	
43-00	Fuel Temperature Indicating System	С	1	0	 (O) May be inoperative provided: a) Total Air Temperature (TAT) is used as an indication of fuel temperature, and b) Total Air Temperature (TAT) is greater than -37 degrees C. 	
44-00	FUEL 1(2) LO LEVEL Warning EICAS Message	С	2	1	(O) One may be inoperative provided associated fuel quantity indications are available on EICAS display and MFD and are monitored throughout the flight.	
		В	2	0	(O) Both may be inoperative provided fuel quantity indications are available on EICAS display and MFD on both sides and are monitored throughout the flight.	

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	V		
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIST
AIRCRAFT:			VISIO	N NC	NO. 15 PAGE NO.
ER	RJ-170, ERJ-190		DAT	E: 0	08/03/2017 29-1
		_			E KEY
SYSTEM &		1. F	$\overline{}$		CATEGORY IBER INSTALLED
SEQUENCE NO.	ITEM				NUMBER REQUIRED FOR DISPATCH
W00000000					4. REMARKS OR EXCEPTIONS
	JLIC POWER				Chang
Sequence No.	Item	1	2	3	4 Bar
00-00	Hydraulic System Synoptic Displays (MFD Hydraulic Page)	С	2	0	(O) MFD indications not addressed elsewhere in the MMEL may be inoperative.
11-01	Engine Driven Pumps (EDP)				
-01	Depressurization Function	С	2	1	May be inoperative on one EDP provided: a) Both Starter Control Valves (SCV) operate normally, b) Both Engine Bleed Valves operate normally, and c) Crossbleed valve operates normally.
		С	2	1	May be inoperative on one EDP provided: a) Both Starter Control Valves (SCV) operate normally, b) APU Pneumatic Bleed System operates normally, and c) Crossbleed valve operates normally.
-02	ENG PUMP SHUTOFF Pushbutton Illumination on Hydraulic Control Panel	С	2	0	(O) May be inoperative provided ENG PUMP SHUTOFF pushbutton is verified operative.
11-02	Systems 1 and 2 Electrical Pumps				Deleted, Revision 2.

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	N				
FEDERAL A	VIATION ADMINISTRATIO	N			MASTE	R MINIMUM EQUIPMENT	LIST
AIRCRAFT:		RE'	VISIO	A NC	IO. 15	PAGE NO.	
ER	RJ-170, ERJ-190		DAT	ΓE: 0	8/03/2017	29-2	
		_			E KEY		
SYSTEM &		1. H			CATEGORY BER INSTALLE	-n	
SEQUENCE	ITEM		2.1			UIRED FOR DISPATCH	
NO.				311		OR EXCEPTIONS	
29. HYDRAU	ILIC POWER	,					
Sequence No.	Item	1	2	3	4		Change Bar
11-03	Power Transfer Unit (PTU)						
-01	Automatic Activation Function	A	1	0	a) PTU is takeoff	operative provided: s selected on before f and landing, and s are made within days.	
11-04	Systems 1 and 2 Filter Manifold Differential Pressure Indicators	A	6	4		m may be inoperative irs are made within	
11-06	Systems 1 and 2 Case Drain Differential Pressure Indicators	A	2	0	May be inoper made within 3	rative provided repairs are flight days.	
11-10	Systems 1 and 2 Reservoirs Relief Bleed Valves	В	2	0	provided: a) Affecte no evid b) Associ	ed valve is verified for dence of leakage, and lated reservoir quantity is d adequate once each lay.	
11-21	Systems 1 and 2 Electrical Pumps Shock Mounts	С	8	6	One shock mo inoperative.	ount per pump may be	
11-27	Engine Driven Pump Pressure Attenuators				Deleted, Revis	sion 4.	
11-28	Engine Driven Pump Suction Attenuators				Deleted, Revis	sion 4.	

TMENT OF TRANSPORTA	OIT	N		MASTE	R MINIMUM EQUIPMENT I	₋IST		
VIATION ADMINISTRATIO	N							
	RE	VISIO	N NC	IO. 15	PAGE NO.			
J-170, ERJ-190		DATE: 08/03/2017 29-3						
	ММ	EL T	ABL	E KEY				
ITEM		2. 1	NUM	BER INSTALLI	ED			
I I EIVI			3. 1	NUMBER REQ	UIRED FOR DISPATCH			
				4. REMARKS	OR EXCEPTIONS			
ILIC POWER								
Item	1	2	3	4		Change Bar		
System 1 and 2 Electrical Pumps Pressure Attenuators				Deleted, Revi	sion 4.			
Systems 1 and 2 Accumulators Pressure Indicators	С	2	0	affected accu	mulator pre-charge			
System 3 Electrical Pumps	С	2	1					
System 3 Filter Manifold Differential Pressure Indicators	A	2	1					
System 3 Case Drain Differential Pressure Indicator	A	1	0					
System 3 Reservoir Relief Bleed Valve	В	1	0	provided: a) Affecti eviden b) Assoc verifie	ve valve is verified for no noce of leakage, and iated reservoir quantity is dadequate once each			
System 3 Electrical Pumps Shock Mounts	С	8	6	One shock mo inoperative.	ount per pump may be			
System 3 Electrical Pumps Pressure Attenuator	С	1	0	` '	• .			
	ITEM ILIC POWER Item System 1 and 2 Electrical Pumps Pressure Attenuators Systems 1 and 2 Accumulators Pressure Indicators System 3 Electrical Pumps System 3 Filter Manifold Differential Pressure Indicators System 3 Case Drain Differential Pressure Indicator System 3 Reservoir Relief Bleed Valve System 3 Electrical Pumps Shock Mounts System 3 Electrical Pumps Pressure	MMI ITEM System 1 and 2 Electrical Pumps Pressure Attenuators System 3 Electrical Pumps Indicators System 3 Filter Manifold Differential Pressure Indicators System 3 Case Drain Differential Pressure Indicator System 3 Reservoir Relief Bleed Valve System 3 Electrical Pumps Shock Mounts System 3 Electrical Pumps Pressure	ITEM ITEM	Nation Administration Revision Nation Revision Nation Date: 0 Nate: REVISION NO. 15 DATE: 08/03/2017	MASTER MINIMUM EQUIPMENT IN MASTER MEASTAR MINIMUM EQUIPMENT IN MASTER MEASTAR MINIMUM EQUIPMENT IN MASTER MEASTAR MEASTAR MEASTAR MINIMUM EQUIPMENT IN MASTER MEASTAR MEA			

	<u>VIATION ADMINISTRATIO</u>				1	
AIRCRAFT:		RE'	VISI	N NC	IO. 15 PAGE NO.	
EF	RJ-170, ERJ-190		DAT	E: 0	8/03/2017 29-4	
		MM	EL T	ABL	E KEY	
SYSTEM &		1. F	ŖEP/	AIR (CATEGORY	
SEQUENCE	ITEM		2.1		BER INSTALLED	
NO.	I I LIVI			3.1	NUMBER REQUIRED FOR DISPATCH	
64-30-36-53-517					4. REMARKS OR EXCEPTIONS	
	JLIC POWER	1	1	1		Tot
Sequence No.	Item	1	2	3	4	Chang Bar
12-18	System 3 Accumulator Pressure Indicator	С	1	0	(M) May be inoperative provided affected accumulator pre-charge pressure is verified adequate once each flight day.	
13-00	Systems 1, 2, and 3 Ground Service Connections	С	9	0	 (M) May be inoperative closed provided: a) Affected connection is verified for no evidence of leakage, and b) Associated Reservoir quantity is verified adequate. 	
31-01	Systems 1, 2, and 3 Pressure Indications on MFD	С	6	0	May be inoperative provided HYD 1(2)(3) LO PRESS Caution message is not displayed on EICAS.	
32-00	Systems 1 and 3 Quantity Indications on MFD	С	4	0	(M) May be inoperative provided quantity is verified adequate on associated Reservoir Quantity Indicator once each flight day.	
32-01	Systems 2 Quantity Indication on MFD	С	2	0	 (M)(O) May be inoperative provided: a) Quantity is verified adequate on Reservoir 2 Quantity Indicator once each flight day, and b) Takeoff and landings are accomplished with Electrical Pump 2 turned ON. 	
33-01	Systems 1, 2, and 3 Temperature Indications on MFD	С	6	0	(O) May be inoperative provided: a) HYD TEMP SENS FAIL Advisory message is not displayed on EICAS, and b) Alternate procedures are established and used.	

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	N					
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LI	ST		
AIRCRAFT:		RE'	VISIO	N NC	IO. 15 PAGE NO.			
ER	RJ-170, ERJ-190	DATE: 08/03/2017			8/03/2017 30-1			
-			MMEL TABLE KEY					
SYSTEM &		1. F			CATEGORY BED INSTALLED			
SEQUENCE	ITEM	NUMBER INSTALLED NUMBER REQUIRED FOR DISPATCH						
NO.					4. REMARKS OR EXCEPTIONS			
30. ICE AND	RAIN PROTECTION							
Sequence No.	Item	1	2	3	4	Change Bar		
00-00	Anti-Ice System Synoptic Displays (MFD Anti-Ice Page)	С	2	0	(O) MFD indications not addressed elsewhere in the MMEL may be inoperative.			
11-00	Wing Anti-Icing System	С	1	0	May be inoperative provided airplane is not operated in known or forecast icing conditions.			
11-01	Wing Anti-Ice Valves	С	2	0	 (M) May be inoperative provided: a) Affected valve is secured closed, and b) Airplane is not operated in known or forecast icing conditions. 			
11-11	A-I WING VLV OPEN Status EICAS Message	С	1	0	 (M) May be inoperative provided: a) Affected valve is secured closed, and b) Airplane is not operated in known or forecast icing conditions. 			
		С	1	0	(O) May be inoperative provided Wing Anti-Ice Valves are verified to operate normally before each flight.			
11-13	A-I WING NO DISPATCH Caution EICAS Message	С	1	0	 (M) May be inoperative provided: a) Affected valve is secured closed, and b) Airplane is not operated in known or forecast icing conditions. 			
		С	1	0	(O) May be inoperative provided Wing Anti-Ice Valves are verified to operate normally before each flight.			

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	V						
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIST				
AIRCRAFT:		RE'	VISIO	ON N	IO. 15 PAGE NO.				
ER	J-170, ERJ-190		DATE: 08/03/2017 30-2						
			MMEL TABLE KEY						
SYSTEM &		1. F			CATEGORY				
SEQUENCE	ITEM		2.1		BER INSTALLED				
NO.			NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS						
30 ICE AND	RAIN PROTECTION				4. KEWIAKKS OK EXCEPTIONS				
Sequence No.	Item	1	2	3	4 Change				
21-00	Engine Anti-Icing	С	2	1	Except for ER operations, may be				
21-00	Systems		_	•	inoperative provided airplane is not				
	,				operated in known or forecast icing				
					conditions.				
21-01	Engine Anti-Ice Valves	С	2	1	(M) Except for ER operations, one may				
	211g.110 7 1111 100 Valivoo		_	-	be inoperative provided:				
					 a) Affected valve is secured closed, 				
					and b) Airplane is not operated in				
					known or forecast icing				
					conditions.				
		С	2	0	(M)(O) May be inequirative provided:				
			_	U	(M)(O) May be inoperative provided: a) Affected valve is secured open,				
					and				
					b) Appropriate performance				
					penalties are applied.				
21-09	A-I ENG 1(2) VLV	С	2	1	(M)(O) Except for ER operations, one				
	OPEN Status EICAS				may be inoperative provided:				
	Message				 a) Associated valve is secured closed, 				
					b) Airplane is not operated in				
					known or forecast icing				
					conditions, and				
					c) Appropriate performance penalties are applied.				
		С	2	0	(M)(O) May be inoperative provided:				
					a) Associated valve is secured open, and				
					b) Appropriate performance				
					penalties are applied.				
		С	2	0	(O) May be inoperative provided:				
			_		a) Associated Engine Anti-Ice Valve				
					is verified to operate normally				
					before each flight, and				
					b) Appropriate performance penalties are applied.				
					Periodice and Sphilori				
			<u></u>						

U.S. DEPAR	RTMENT OF TRANSPORT	ATIOI	N		144 OTED 1415 HA FOLUDIAENT I	ıot	
FEDERAL A	VIATION ADMINISTRATION	ON			MASTER MINIMUM EQUIPMENT L	.151	
AIRCRAFT:			VISIO	A NC	NO. 15 PAGE NO.		
EF	RJ-170, ERJ-190	DATE: 08/03/2017			08/03/2017 30-3		
			MMEL TABLE KEY				
SYSTEM &		1. [CATEGORY		
SEQUENCE	ITEM		2.1		IBER INSTALLED NUMBER REQUIRED FOR DISPATCH		
NO.				0.1	4. REMARKS OR EXCEPTIONS		
30. ICE AND	RAIN PROTECTION	·					
Sequence No.	Item	1	2	3	4	Change Bar	
31-00	Air Data Smart Probe (ADSP) Heater Controllers	В	8	4	One Heater Controller per ADSP may be inoperative.		
33-00	Total Air Temperature (TAT) Heaters	В	2	1	 (O) May be inoperative provided: a) TAT indications are displayed normally, and b) One Ice Detection System operates normally. 		
		В	2	0	 (O) Except for ER operations, may be inoperative provided: a) TAT indications are displayed normally, and b) Airplane is not operated in visible moisture or in known or forecast icing conditions. 	l	
41-00	Windshield Wiper Systems	С	2	0	May be inoperative provided: a) Airplane is not operated in precipitation within 5 nautical miles of the airport of takeoff or intended landing, and b) Operations do not require their use.		
-01	Low Speed Mode	С	2	0	May be inoperative provided associated High Speed Mode operates normally.		
-02	High Speed Mode	С	2	0	May be inoperative provided associated Low Speed Mode operates normally.		
-03	Timer Mode	С	2	0			
-04	Parking Mode	С	2	0	(M) May be inoperative provided blades are positioned to provide an acceptable field of vision to flightcrew.		
-04	Parking Mode	C	2	0	are positioned to provide an acceptable		

FEDERAL A	VIATION ADMINISTRAT	ION					
AIRCRAFT:		RE'	VISIO	A NC	IO. 15 PAGE NO.		
EF	RJ-170, ERJ-190		DAT	ΓE: 0	8/03/2017 30-4		
		ММ	MMEL TABLE KEY				
CVCTEM		1. F	REP	CATEGORY			
SYSTEM & SEQUENCE	ITEM		2.1	MUŅ	BER INSTALLED		
NO.	I I LIVI			3.1	NUMBER REQUIRED FOR DISPATCH		
88503885557					4. REMARKS OR EXCEPTIONS		
30. ICE AND	RAIN PROTECTION					101	
Sequence No.	Item	1	2	3	4	Chang Bar	
42-00	Windshield Heating Systems	В	2	1	Except for ER operations, one may be inoperative provided airplane is not operated in known or forecast icing conditions.		
43-01 ***	Door Sill Heater	D	-	0	(M) May be inoperative provided system is deactivated.		
71-02	Drain Mast Heaters	С	-	0	 (M)(O) May be inoperative provided: a) Water supply to the associated galley and lavatory is secured off, and b) Procedures are established and used to ensure that the associated galley sink drain is not used. NOTE: Potable water inflight drainage system will be inhibited. 	I	
71-03	Drain Port Heater	D	1	0	 (O) May be inoperative provided the forward lavatory and galley sink drain are not used on ground if OAT is below 0 degrees C (32 degrees F). NOTE 1: The forward lavatory and galley sinks may be used on ground if OAT is greater than the limit above. NOTE 2: Potable water drainage system will be inhibited. 		

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U.S. DEPAR		N		MASTE	R MINIMUM EQUIPMENT I	LIST			
	VIATION ADMINISTRATION								
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.			
ER	J-170, ERJ-190		DAT	E: 0	8/03/2017	30-5			
		MM	EL T	ABL	E KEY				
SYSTEM &		1. F		PAIR CATEGORY					
SEQUENCE	ITEM		2.1		BER INSTALLE				
NO.	I I LIVI	3. NUMBER REQUIRED FOR DISPATCH							
89-30 No. 61 17 1		4. REMARKS OR EXCEPTIONS							
30. ICE AND	RAIN PROTECTION						1		
Sequence No.	Item	1	2	3	4		Change Bar		
71-50	Freeze Protection Kit (FPK)	С	1	0	inoperative pr a) FPK is each fi b) Potabl when p freezin NOTE 1: Any whice be u NOTE 2: Wate and (M) May be in a) Water used, a b) Proceed used to	tested operational once light day, and e water system is drained parking at or below water ag conditions. portion of the system h operates normally may sed. er system may be serviced used. operative provided: system is drained and not			
81-02	Ice Detector Systems	С	2	0		operative provided /ing Anti-Icing Systems are ually.			

TMENT OF TRANSPORTA	OITA	N _		MASTER MINIMUM EQUIPMENT I	 _IST			
VIATION ADMINISTRATIO	N							
	RE'	VISIO	N NC	O. 15 PAGE NO.				
RJ-170, ERJ-190		DATE: 08/03/2017 31-1						
	1. F	$\overline{}$						
ITEM		2.1						
	4. REMARKS OR EXCEPTIONS							
ING/RECORDING SYSTEM	NS	1		,				
Item	1	2	3	4	Change Bar			
Status Synoptic Display (MFD Status Page)	С	2	0	(O) MFD indications not addressed elsewhere in the MMEL may be inoperative.				
CB Monitor System	В	1	0	 (M) May be inoperative provided: a) Associated circuit breaker monitor is verified to be inoperative, b) System associated with the thermal circuit breaker is verified to operate normally or deferred according to the applicable MMEL entry, and c) A visual inspection of the affected CB is performed once each flight day. 				
Clock System								
Time Function on Digital Clock	С	1	0	May be inoperative provided at least one Time Function on MFD Status Page operates normally.				
Time Function on MFD Status Page	С	2	1					
	A	2	0	May be inoperative provided: a) Time Function on Digital Clock operates normally, b) At least one Cockpit Voice Recorder (CVR) operates normally, and c) Repairs are made within 3 flight days.				
	ITEM ING/RECORDING SYSTEM Item Status Synoptic Display (MFD Status Page) CB Monitor System Clock System Time Function on Digital Clock Time Function on	VIATION ADMINISTRATION RECORDING SYSTEMS Item 1 Status Synoptic Display (MFD Status Page) Clock System Time Function on Digital Clock Time Function on MFD Status Page	REVISION DATE IN THE PROPERTY OF THE PROPERTY	REVISION N DATE: 0 MMEL TABL ITEM ITEM ING/RECORDING SYSTEMS Item Status Synoptic Display (MFD Status Page) CB Monitor System Clock System Time Function on Digital Clock Time Function on MFD Status Page Time Function on MFD Status Page C 2 1 MEL TABL 1. REPAIR C 2. NUM 3. N C 2 0 C 1 0	MASTER MINIMUM EQUIPMENT IN MASTER MEANT I			

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	N		MASTE	R MINIMUM EQUIPMENT	LIST	
FEDERAL A	VIATION ADMINISTRATIO					T		
AIRCRAFT:		RE			IO. 15	PAGE NO.		
ER	RJ-170, ERJ-190				E: 08/03/2017 31-2			
-		_			BLE KEY			
SYSTEM &		1.1	$\overline{}$		CATEGORY BER INSTALLI	En		
SEQUENCE	ITEM		2.1			UIRED FOR DISPATCH		
NO.				0. 1		OR EXCEPTIONS		
31. INDICAT	ING/RECORDING SYSTEM	VIS	<u>'</u>	<u>'</u>	'			
Sequence No.	Item	1	2	3	4		Change Bar	
22-00	Chronometer System							
-01	Chronometer Function on Digital Clock	С	1	0		rative provided at least eter Function on PFD nally.		
-02	Elapsed Time Function on Digital Clock	С	1	0				
-03	Chronometer Function on PFD	С	2	1				
		С	2	0		rative provided Function on Digital Clock nally.		
31-00	Digital Voice-Data Recorder (DVDR) System							
-01	Cockpit Voice Recorder (CVR) Functions	С	2	1				
		A	2	0	a) At leas Recor operat b) Repair	rative provided: st one Flight Data der (FDR) Function tes normally, and rs are made within t days.		
					(Continued)			

TMENT OF TRANSPORTA	OITA	N				
VIATION ADMINISTRATIO						
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(J-170, ERJ-190	•			<u> </u>		
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17714						
IIEM						
				4. REMARKS OR EXCEPTIONS		
ING/RECORDING SYSTEI	MS			Ch		
	1	2	3		ange Bar	
Digital Voice-Data Recorder (DVDR) System (Cont'd)						
Flight Data Recorder (FDR) Functions	С	2	1			
	A	2	0	 May be inoperative provided: a) At least one Cockpit Voice Recorder (CVR) Function operates normally, b) Airplane is not dispatched from a designated airport as listed in the operator's MEL unless: 1) The FDR failure occurs after pushback but prior to takeoff, or 2) The FDR repair was attempted but was not successful. c) In those cases where repair is attempted but not successful, the aircraft may be dispatched on a flight or series of flights until the next designated airport where repair must be accomplished prior to dispatch, and d) Repairs are made within 3 flight days. 		
				(Continued)		
	ITEM ING/RECORDING SYSTEM Item Digital Voice-Data Recorder (DVDR) System (Cont'd) Flight Data Recorder	ING/RECORDING SYSTEMS Item 1 Digital Voice-Data Recorder (DVDR) System (Cont'd) Flight Data Recorder (FDR) Functions VMM 1. I DIGITAL VOICE-DATA CONTROL	ITEM ING/RECORDING SYSTEMS Item Digital Voice-Data Recorder (DVDR) System (Cont'd) Flight Data Recorder (FDR) Functions REVISIO DATA MMEL T 1. REPA 2. II 1. REPA 2. II Cont'd ITEM	MASTER MINIMUM EQUIPMENT LIS WATION ADMINISTRATION REVISION NO. 15 DATE: 08/03/2017 MMEL TABLE KEY 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS INGRECORDING SYSTEMS Item 1 2 3 4 Digital Voice-Data Recorder (DVDR) System (Cont'd) Flight Data Recorder (FDR) Functions A 2 0 May be inoperative provided: a) At least one Cockpit Voice Recorder (CVR) Function operates normally, b) Airplane is not dispatched from a designated airport as listed in the operator's MEL unless: 1) The FDR failure occurs after pushback but prior to takeoff, or 2) The FDR repair was attempted but was not successful, c) In those cases where repair is attempted but not successful, the aircraft may be dispatched on a flight or series of flights until the next designated airport where repair must be accomplished prior to dispatch, and d) Repairs are made within 3 flight days.		

U.S. DEPAR	TMENT OF TRANSPORTA	IOITA	N		MASTE	R MINIMUM EQUIPMENT	LIST			
FEDERAL A	VIATION ADMINISTRATIO	N								
AIRCRAFT:		RE'	VISIO	A NC	IO. 15	PAGE NO.				
ER	J-170, ERJ-190		DAT	ΓΕ: 0	8/03/2017	31-4				
		_	IMEL TABLE KEY							
SYSTEM &		1. F	REPAIR CATEGORY							
SEQUENCE	ITEM	2. NUMBER INSTAI								
NO.		CO2 10				UIRED FOR DISPATCH				
21 INDICATI	NG/RECORDING SYSTEM	MC			4. KEIVIAKKS	OR EXCEPTIONS				
Sequence No.	Item	1	2	3	4		Change			
		'		3	7		Bar			
31-00	Digital Voice-Data Recorder (DVDR) System (Cont'd)									
-02	Flight Data Recorder (FDR) Functions (Cont'd)									
-A	DFDR Recording Parameters Required by 14 CFR	A	-	-	be inoperative a) At leas Record norma b) Repair	cording parameters may e provided: st one Cockpit Voice der (CVR) operates lly, and rs are made within nsecutive calendar-days.				
-В	DFDR Recording Parameters Not Required by 14 CFR	Α	-	-		rative provided repairs are the completion of the next nance visit.				
-03 ***	CVR Independent Power Supply	С	-	0						
32-00 ***	Quick Access Recorder (QAR)	D	1	0						
41-03	Aircraft Personality Module (APM)	С	4	2						

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FEDERAL A	VIATION ADMINISTRATIO	N					
AIRCRAFT:		RE	VISIO	A NC	IO. 15	PAGE NO.	
ERJ-170, ERJ-190					8/03/2017	31-5	
					E KEY		
SYSTEM &		1. F			CATEGORY BER INSTALLI	FD	
SEQUENCE	ITEM		2. 1			UIRED FOR DISPATCH	
NO.				00.00	4. REMARKS	OR EXCEPTIONS	
	NG/RECORDING SYSTEM	//S	1		Lou		
Sequence No.	Item	1	2	3	4		Change Bar
41-08	Modular Avionics Unit (MAU) Fans						
-01	MAU 1 Fans	С	4	3			
-02	MAU 2 Fans	С	3	2			
-03	MAU 3 Fans	С	3	2			
41-30	Configuration Monitor System (CMS)	С	2	1			
51-00	Aural Warning System						
-01	Channels	С	2	1			
51-01	Takeoff configuration (T/O CONFIG) Button	С	1	0	Configuration	operative provided Takeoff Warning is verified to be ore each flight.	
52-01	Master Warning/Caution Pushbuttons/ Annunciators						
-01	Warning Lights	С	2	1			
-02	Warning Alarm Cancel Function	С	2	1			
-03	Caution Lights	С	2	1			
-04	Caution Alarm Cancel Function	С	2	1			

110 55545	LLO DEDARTMENT OF TRANSPORTATION									
U.S. DEPAR	TMENT OF TRANSPORTA	AT IOI	N		MASTE	R MINIMUM EQUIPMENT	LIST			
FEDERAL A	VIATION ADMINISTRATIO	N								
AIRCRAFT:		RE'			IO. 15	PAGE NO.				
ER	RJ-170, ERJ-190		DATE: 08/03/2017 31-6							
			MMEL TABLE KEY 1. REPAIR CATEGORY							
SYSTEM &		1. [BER INSTALLE	=D				
SEQUENCE NO.	ITEM					UIRED FOR DISPATCH				
NO.		(0.00 to			4. REMARKS	OR EXCEPTIONS				
	ING/RECORDING SYSTEI	MS	1				Lai			
Sequence No.	Item	1	2	3	4		Change Bar			
60-00	Electronic Checklist (ECL)	C	1	0	alternate proc and used.	operative provided sedures are established rative provided procedures				
61-01	Display Units (DU)	A	5	4	do not require					
					a) Associon deactive	D buttons, knobs, and bads operate normally on sociated side, sionary Panel Displays are verified to operate lly, operates normally, and rs are made within				
61-02	Reversionary Panel (ADS/IRS) Pushbutton Illumination	С	4	0		operative provided ishbutton is verified				
61-04	EICAS Declutter Override (EICAS FULL) Button	D	1	0						

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FEDERAL A	VIATION ADMINISTRATIO	N						
AIRCRAFT:		RE'	VISIO	A NC	NO. 15 PAGE NO.			
ER	J-170, ERJ-190		DAT	E: 0	08/03/2017 31-7			
		_		ABLE KEY				
SYSTEM &		1. REPAIR CATEGORY				-D		
SEQUENCE	ITEM	2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATOR						
NO.				J. 1		OR EXCEPTIONS		
31. INDICAT	ING/RECORDING SYSTEM	MS .			1.112.113.11.110	01(2/(02) 1101(0		
Sequence No.	Item	1	2	3	4		Change Bar	
61-10	Display Controller Panels							
-01	Horizontal Situation Indicator (HSI) Mode Selector Buttons	С	2	0				
-02	Weather Radar (WX) Buttons	D	2	0				
-03	FMS Source Selector Buttons	С	2	0	May be inope do not require	rative provided procedures their use.		
-04	RA/BARO Selector Knobs	С	2	0		rative provided the setting ne intended approach is		
-05	Decision Height/Minimum Descent Altitude (MINIMUMS) Selector Knobs	С	2	0		rative provided approach not require their use.		
-06	VOR/Localizer (V/L) Source Selector Buttons	С	2	-	May be inope do not require	rative provided procedures their use.		
-07	Preview (PREV) Buttons	С	2	0				
					(Continued)			

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	N		MASTE	R MINIMUM EQUIPMENT I	LIST
FEDERAL A	VIATION ADMINISTRATIO	N					
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					E KEY		
SYSTEM &		1. 1			CATEGORY BER INSTALLI	=n	
SEQUENCE	ITEM		2.1			UIRED FOR DISPATCH	
NO.				• •		OR EXCEPTIONS	
31. INDICATI	NG/RECORDING SYSTEM	MS					
Sequence No.	Item	1	2	3	4		Change Bar
61-10	Display Controller Panels (Cont'd)						
-08	Flight Path Reference (FPR) Buttons	С	2	0			
-09	ADF/VOR/FMS Bearings (Circle/Diamond) Selector Buttons	С	4	-	May be inope do not require	rative provided procedures their use.	
-10	Standard Barometric Pressure (PUSH STD) Buttons	С	2	0			
-11	IN/hPa Selector Knobs	C	2	0		rative provided required ntended flights are	

TMENT OF TRANSPORTA	OITA	N		MASTE	R MINIMUM EQUIPMENT	LIST
VIATION ADMINISTRATIO	N					
	RE	VISIO	N NC	IO. 15	PAGE NO.	
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	MM	EL T	ABL	E KEY		
	1. F					
ITFM		2.1				
112			3. 1			
INO/DECODDING OVERE	100			4. REMARKS	OR EXCEPTIONS	
	1	Ι .	_			Change
	1	2	3	4		Bar
(CCD)						
Format Location Buttons	В	6	5	inoperative pr CCD buttons,	ovided all remaining knobs, and touchpads	
Enter Buttons	В	4	3	remaining CC	D buttons, knobs, and	
Inner Tuning Knobs	В	2	1	remaining CC	D buttons, knobs, and	
Touchpads	В	2	1	remaining CC	D buttons and knobs	
	ITEM ING/RECORDING SYSTEI Item Cursor Control Device (CCD) Format Location Buttons Enter Buttons Inner Tuning Knobs	ING/RECORDING SYSTEMS Item 1 Cursor Control Device (CCD) Format Location Buttons Enter Buttons B Inner Tuning Knobs B RE RE MM 1. F B B B B B B B B B B B B B	ITEM ING/RECORDING SYSTEMS Item 1 2 Cursor Control Device (CCD) Format Location Buttons Enter Buttons B 4 Inner Tuning Knobs REVISIO DAT MMEL T 1. REPA 2. N 8 6 1. REPA 1. REPA 2. N 8 4 1. REPA 2. N 8 4 1. REPA 2. N 8 4 1. REPA 8 1. REPA 9 REVISION N DATE: 0 MMEL TABL 1. REPAIR (2. NUM 3. N ING/RECORDING SYSTEMS Item 1 2 3 Cursor Control Device (CCD) Format Location Buttons B 6 5 Enter Buttons B 4 3 Inner Tuning Knobs B 2 1	MASTE VIATION ADMINISTRATION REVISION NO. 15 DATE: 08/03/2017 MMEL TABLE KEY 1. REPAIR CATEGORY 2. NUMBER INSTALL 3. NUMBER REQ 4. REMARKS ING/RECORDING SYSTEMS Item 1 2 3 4 Cursor Control Device (CCD) Format Location Buttons B 6 5 One MFD or I inoperative procced by CCD buttons, operate norm Enter Buttons B 4 3 One may be in remaining CCD touchpads open sides. Inner Tuning Knobs B 2 1 One may be in remaining CCD touchpads open sides. Touchpads B 2 1 One may be in remaining CCD touchpads open sides. Touchpads Touchpads B 2 1 One may be in remaining CCD touchpads open sides.	MASTER MINIMUM EQUIPMENT VIATION ADMINISTRATION REVISION NO. 15 PAGE NO. DATE: 08/03/2017 31-9 MMEL TABLE KEY 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS ING/RECORDING SYSTEMS Item 1 2 3 4 Cursor Control Device (CCD) Format Location Buttons B 6 5 One MFD or PFD button may be inoperative provided all remaining CCD buttons, knobs, and touchpads operate normally on both sides. Enter Buttons B 4 3 One may be inoperative provided all remaining CCD buttons, knobs, and touchpads operate normally on both sides. Inner Tuning Knobs B 2 1 One may be inoperative provided all remaining CCD buttons, knobs, and touchpads operate normally on both sides.	

U.S. DEPAR	TMENT OF TRANSPORTA	IOITA	V		MASTE	R MINIMUM EQUIPMENT I	₋IST
FEDERAL A	VIATION ADMINISTRATIC	N					
AIRCRAFT:		RE'	VISIO	ON N	IO. 15	PAGE NO.	
ER	RJ-170, ERJ-190		DAT	E: 0	8/03/2017	32-1	
		ММ	EL T	ABL	E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALLE		
NO.				3.1		UIRED FOR DISPATCH	
32. LANDING	CEAD				4. REWARKS	OR EXCEPTIONS	
Sequence No.	Item	1	2	3	4		Change
		<u>'</u> В				anarativa providad	Bar
33-01	Landing Gear Control Lever Lock Solenoid	В	1	0		operative provided: S message	
	LOVOI LOOK COIONOIG					OW SYS FAIL is not	
						ed, and	
					,	ownlock release button is	
					verified	d to operate normally.	
41-02	AutoBrake System	С	1	0	(M)(O) Mav be	e inoperative provided:	
***				-		rake control knob is	
						ed OFF and deactivated,	
						temperature sensors and	
						ions operate normally, and ate procedures are	
						shed and used.	
		D	1	0		operative provided:	
					,	rake Control Module is ed, and	
						dures do not require its	
					use.	7	
44-17	Emergency/Parking	С	2	0	(M) May be in	operative provided	
	Brake Accumulators		_	U		cumulator charge is	
	Pressure Transducers					ate once each flight day.	
44.00	F '5 '.				(0.4) 0.4	,, , , , ,	
44-30	Emergency/Parking Brake Accumulators	С	4	0		operative provided	
	Pressure Indication					cumulator charge is late once each flight day.	
	on MFD				7011100 adoqu	acto onoo odon mgm day.	
		<u> </u>	Ī		<u> </u>		

U.S. DEPAR	TMENT OF TRANSPORT	ATIOI	N		
FEDERAL A	VIATION ADMINISTRATIO	N_			MASTER MINIMUM EQUIPMENT LIST
AIRCRAFT:		RE'	VISIO	N NC	IO. 15 PAGE NO.
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		ММ	EL T	ABL	E KEY
SYSTEM &		1. [CATEGORY
SEQUENCE	ITEM		2.1		BER INSTALLED
NO.				3.1	NUMBER REQUIRED FOR DISPATCH
32. LANDING	C GEAD				4. REMARKS OR EXCEPTIONS
Sequence No.	Item	1	2	3	4 Change
47-01		C	4	3	Bar
47-01	Brake Temperature Sensors		4	3	(O) One may be inoperative provided Landing Gear remains selected down for 7 minutes after takeoff. NOTE: In case of engine failure after V ₁ , the landing gear should be retracted.
		С	4	0	 (O) May be inoperative provided: a) Landing Gear remains selected down for 7 minutes after takeoff, and b) Brake cooling time according to AFM Quick Turn Around Weight limitations is complied with.
					NOTE: In case of engine failure after V ₁ , the landing gear should be retracted.
47-15	Brake Temperature Indication on MFD	С	8	6	(O) One may be inoperative provided Landing Gear remains selected down for 7 minutes after takeoff.
					NOTE: In case of engine failure after V ₁ , the landing gear should be retracted.
		С	8	0	 (O) May be inoperative provided: a) Landing Gear remains selected down for 7 minutes after takeoff, and b) Brake cooling time according to AFM Quick Turn Around Weight limitations is complied with. NOTE: In case of engine failure after V₁, the landing gear should be retracted.

U.S. DEPAR	TMENT OF TRANSPORTA	OIT	N		MASTE	R MINIMUM EQUIPMENT I	₋IST
FEDERAL A	VIATION ADMINISTRATIO	N					
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	RJ-170, ERJ-190		DAT	E: 0	8/03/2017	32-3	
					E KEY		
SYSTEM &		1. F			CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALL		
NO.				3. ľ		UIRED FOR DISPATCH OR EXCEPTIONS	
32. LANDING	G GFAR				4. KEWAKKS	OR EXCEPTIONS	
Sequence No.	Item	1	2	3	4		Change
49-11	Brake Assembly	A	8	7		noperative or missing	Bar
49-11	Wear Indicators	_	0	′		irs are made within	
	Woar maloatoro					e calendar-days.	
						·	
		С	8	4	•	e assembly may be	
					inoperative or	missing.	
49-13	Nose Wheel Spinbrakes	С	2	0	May be missir	ng or removed.	
49-15	Tire Pressure Indicators	D		0			
***	The Flessure mulcators	ן ט	_	"			
53-03	Rudder Pedals Nose	С	2	0		rative provided	
	Wheel Steering System					ose Wheel Steering	
					System opera	nes normany.	
53-07	Nose Wheel Steering						
	Disengage Switches						
-01	Stooring Dicongogo				Deleted, Revi	oion 14	1
-01	Steering Disengage Switches on Yoke				Deleted, Revis	51011-14.	I
	CWITCHOO OH TORO						
-02	External Steering	С	1	0	\ , , ,	operative provided	
	Disengage Switch					h is verified in	
					ENGAGE pos	sition.	
		С	1	0	(M)(O) May be	e inoperative provided	
						h is deactivated.	
61-11	Towing Indication Lights	_	2	•	(O) May be in	operative provided parties	
61-11	Towing Indication Lights	С	2	0		operative provided parking ering status are verified	
					before towing		
						·	

U.S. DEPARTM	IENT OF TRANSPORTA	HOI	N		N/I	۸ QTE	R MINIMUM EQUIPMENT L	ICT
FEDERAL AVIA	ATION ADMINISTRATIO	N			IVI	ASIE	R MINIMOW EQUIPMENT I	_101
AIRCRAFT:		RE\	VISIC	N NC	O. 15		PAGE NO.	
ERJ-1	170, ERJ-190		DAT	E: 0	8/03/2017	7	33-1	
		MM	EL T	ABL	E KEY			
SYSTEM &		1. F			CATEGO			
SEQUENCE	ITEM		2. 1		BER INS			
NO.				3. ľ			UIRED FOR DISPATCH OR EXCEPTIONS	
33. LIGHTS					4. IXLIVI/	-1110	ON EXCEL HONG	
Sequence No. Ite	m	1	2	3	4			Change
10-00 C F Ir	Cockpit/Flight Deck/ light Compartment and instrument Lighting systems	1 C		-	Individual provided a) F li li li li li li li li li li li li li	d: Remai ights a Illumin nstrun device orovide Remai ights a direct lightcr ightin ntensi lightcr : Indiv and/ indic this i (with perm supp	ning Lighting System are positioned so that rays are shielded from rew members' eyes, and ag configuration and ty is acceptable to the	Bar

		TMENT OF TRANSPORTA		N		MASTE	R MINIMUM EQUIPMENT	LIST
SYSTEM & SEQUENCE NO. ITEM NO		VIATION ADMINISTRATIO	1				<u> </u>	
SYSTEM & SEQUENCE NO. ITEM NO.	_		RE'					
SYSTEM & SEQUENCE NO. ITEM 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 33. LIGHTS Sequence No. Item 1 2 3 4 Channel Illumination System -01 All Models Except LINEAGE 1000 C May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative, b) No more than two adjacent ceiling lights in the longitudinal or lateral direction are inoperative, c) At least one light operates normally in the forward entrance area, and forward galley area, aft entrance area, and forward entrance area, and ceiling area operate in BRIGHT setting, e) Adequate cabin illumination remains for flight attendants to perform their assigned duties, and f) Cabin emergency lighting is	ER	RJ-170, ERJ-190					33-2	
SEQUENCE NO. ITEM Sequence No. ITEM Sequence No. Item 1 2 3 4 Change of the ceiling lights are inoperative, colling lights in the forward galley area, and forward galley area, and ceiling area operate in BRIGHT setting, e) Adequate cabin illumination remains for flight attendants to perform their assigned duties, and f) Cabin emergency lighting is								
SEQUENCE NO. 1	SYSTEM &		1. F				En	
33. LIGHTS Sequence No. Item 1 2 3 4 Chain shade Chain sh		ITEM		2.1				
21-00 Cabin Interior Illumination System -01 All Models Except LINEAGE 1000 C May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative, b) No more than two adjacent ceiling lights in the longitudinal or lateral direction are inoperative, c) At least one light operates normally in the forward entrance area, aft entrance area, and forward galley area, d) Remaining operative lights in the forward galley area, aft entrance area, and ceiling area operate in BRIGHT setting, e) Adequate cabin illumination remains for flight attendants to perform their assigned duties, and f) Cabin emergency lighting is	NO.				0			
21-00 Cabin Interior Illumination System -01 All Models Except LINEAGE 1000 C May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative, b) No more than two adjacent ceiling lights in the longitudinal or lateral direction are inoperative, c) At least one light operates normally in the forward entrance area, aft entrance area, and forward galley area, d) Remaining operative lights in the forward entrance area, and ceiling area operate in BRIGHT setting, e) Adequate cabin illumination remains for flight attendants to perform their assigned duties, and f) Cabin emergency lighting is	33. LIGHTS					'		
-01 All Models Except LINEAGE 1000 C May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative, b) No more than two adjacent ceiling lights in the longitudinal or lateral direction are inoperative, c) At least one light operates normally in the forward entrance area, aft entrance area, and forward galley area, d) Remaining operative lights in the forward entrance area, and ceiling area operate in BRIGHT setting, e) Adequate cabin illumination remains for flight attendants to perform their assigned duties, and f) Cabin emergency lighting is	Sequence No.	Item	1	2	3	4		Change Bar
LINEAGE 1000 a) No more than 10% of the ceiling lights are inoperative, b) No more than two adjacent ceiling lights in the longitudinal or lateral direction are inoperative, c) At least one light operates normally in the forward entrance area, aft entrance area, and forward galley area, d) Remaining operative lights in the forward entrance area, aft entrance area, and ceiling area operate in BRIGHT setting, e) Adequate cabin illumination remains for flight attendants to perform their assigned duties, and f) Cabin emergency lighting is	21-00							
(Continued)	-01	All Models Except	C	_	_	a) No modelights about the lights about the lights about the lights about the lights area. A forward area, a forward galley and compared and area area. A forward galley and compared area area. A forward and about the light the	ore than 10% of the ceiling are inoperative, ore than two adjacent lights in the longitudinal or direction are inoperative, at one light operates ally in the forward entrance aft entrance area, and ad galley area, ining operative lights in the dentrance area, forward area, aft entrance area, eiling area operate in HT setting, late cabin illumination as for flight attendants to me their assigned duties,	

No. Sequence No. Item 1 2 3 4 -01	
DATE: 08/03/2017 33-3	
SYSTEM & SEQUENCE NO. ITEM SEQUENCE NO. ITEM Sequence No. Item 1 2 3 4 21-00 Cabin Interior Illumination System (Cont'd) -01 All Models Except LINEAGE 1000 (Cont'd) CSYSTEM & SEQUENCE ITEM 1 2 3 4 C - (O) May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative,	
SYSTEM & SEQUENCE NO. ITEM 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 33. LIGHTS Sequence No. Item	
SYSTEM & SEQUENCE NO. ITEM 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS Sequence No. Item 1 2 3 4 21-00 Cabin Interior Illumination System (Cont'd) -01 All Models Except LINEAGE 1000 (Cont'd) C - (O) May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative,	
3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 33. LIGHTS Sequence No. Item 1 2 3 4 21-00 Cabin Interior Illumination System (Cont'd) -01 All Models Except LINEAGE 1000 (Cont'd) C - (O) May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative,	
33. LIGHTS Sequence No. Item 1 2 3 4 21-00 Cabin Interior Illumination System (Cont'd) -01 All Models Except LINEAGE 1000 (Cont'd) C - (O) May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative,	
Sequence No. Item 1 2 3 4 21-00 Cabin Interior Illumination System (Cont'd) -01 All Models Except LINEAGE 1000 (Cont'd) C (O) May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative,	
21-00 Cabin Interior Illumination System (Cont'd) -01 All Models Except LINEAGE 1000 (Cont'd) C - (O) May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative,	~-
Illumination System (Cont'd) -01 All Models Except LINEAGE 1000 (Cont'd) C - (O) May be inoperative provided: a) No more than 10% of the ceiling lights are inoperative,	Change Bar
LINEAGE 1000 (Cont'd) a) No more than 10% of the ceiling lights are inoperative,	
b) No more than two adjacent ceiling lights in the longitudinal or lateral direction are inoperative, c) Photoluminescent Escape Route Marking System is charged 30 minutes each flight day before the first flight of each day, d) Remaining operative ceiling lights operate in BRIGHT setting, e) Adequate cabin illumination remains for flight attendants to perform their assigned duties, and f) Cabin emergency lights operate normally.	

U.S. DEPAR	TMENT OF TRANSPORT	ATIOI	N			
FEDERAL A	VIATION ADMINISTRATIO	N <u></u>			MASTER MINIMUM EQUIPMENT L	JIST
AIRCRAFT:		RE	VISIO	A NC	NO. 15 PAGE NO.	
ER	RJ-170, ERJ-190		DAT	E: 0	8/03/2017 33-4	
		_			LE KEY	
SYSTEM &		1.1	$\overline{}$		CATEGORY IBER INSTALLED	
SEQUENCE NO.	ITEM			3. 1	NUMBER REQUIRED FOR DISPATCH	
84.00.000.000					4. REMARKS OR EXCEPTIONS	
33. LIGHTS	lta	1 4	١,		4	Change
Sequence No.	Cobin Interior	1	2	3	4	Bar
21-00	Cabin Interior Illumination System (Cont'd)					
-02	(LINEAGE 1000)	С	-	-	Individual lights may be inoperative provided: a) No more than 10% of the ceiling lights are inoperative, b) No more than two adjacent ceiling lights in the longitudinal or lateral direction are inoperative, and c) Cabin emergency lights operate normally.	l
-03	With STC ST03522NY or ST03523NY	С	-	-	Individual light modules may be inoperative provided: a) All adjacent ceiling and sidewall light modules are operative, b) Either FWD ENTRANCE light or FWD GALLEY AREA light may be inoperative, and c) One light of the AFT ENTRANCE light may be inoperative.	
21-01	Interior Emergency Lights	С	-	0	 (O) May be missing or inoperative provided: a) No passengers are carried, b) A maximum of 19 persons are carried as authorized by 14 CFR for non-passenger-carrying operations, and c) Alternate procedures are established and used. 	

	TMENT OF TRANSPORTA		V		MASTE	R MINIMUM EQUIPMENT	LIST
	VIATION ADMINISTRATIO					<u> </u>	
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190		DAT	E: 0	8/03/2017	33-5	
					E KEY		
SYSTEM &		1. F			CATEGORY		
SEQUENCE	ITEM		2. ľ		BER INSTALLI		
NO.				3. N		UIRED FOR DISPATCH OR EXCEPTIONS	
33. LIGHTS			<u> </u>		4. KLIVIAKKS	ON EXCEPTIONS	
Sequence No.	Item	1	2	3	4		Change
21-10		C	_	-		rative provided sufficient	Bar
21-10	Cabin Sidewall Lights	C	-	-	lighting is ava	rative provided sufficient ilable for flight attendants eir assigned duties.	
23-00	Passenger Signs	C	-	-	a) Assoc lavator which inform legible b) Assoc blocke "DO N NOTE: These intend or insp. (O) May be in passenger se provided:	iated seat or lavatory is ed and placarded IOT OCCUPY". conditions are not ed to prohibit lavatory use pections by crewmembers. operative and associated at or lavatory occupied	
23-03	Lavatory Occupied Sign	С	2	0	and b) PA sys passe when a	stem operates normally, stem is used to notify ngers and cabin crew associated sign(s) are d on or off.	

FEDERAL A	AVIATION ADMINISTRATIO	N				
AIRCRAFT:		RE'	VISIO	A NC	O. 15 PAGE NO.	
Е	RJ-170, ERJ-190		DAT	E: 0	8/03/2017 33-6	
		MM	EL T	ABL	E KEY	
SYSTEM &		1. F	REP/	AIR (CATEGORY	
SEQUENCE			2.1		BER INSTALLED	
NO.				3.1	NUMBER REQUIRED FOR DISPATCH	
33. LIGHTS					4. REMARKS OR EXCEPTIONS	
		T 4				Chang
Sequence No.		1	2	3	4	Bar
23-09	Cockpit Sterile Light (Except LINEAGE 1000)	С	-	0	(O) May be inoperative provided alternate procedures are established and used.	1
26-00	Courtesy Lights System	С	1	0	May be inoperative provided sufficient light is available at passenger entry area.	
28-00	Lavatory Light System	С	2	0	(O) May be inoperative provided affected lavatory door is locked and placarded "INOPERATIVE – DO NOT ENTER".	
					NOTE: This proviso is not intended to prohibit lavatory use or inspections by crewmembers.	
28-01	Lavatory Dome Light	D	2	0	May be inoperative provided the associated fluorescent lights operate normally.	
28-03	Lavatory Fluorescent Lights	С	4	0	 (O) May be inoperative provided: a) Associated dome light operates normally, and b) Associated lavatory manual switch is activated before each flight. 	
28-07	Lavatory Door Latch Engage Micro Switch	С	2	0	 (O) May be inoperative provided: a) Lavatory Manual Switch is verified operative, and b) Lavatory Manual Switch is used to operate the lavatory internal lights. 	
28-09	Lavatory Manual Switch	С	2	1		I

AIRCRAFT:	VIATION ADMINISTRATION 2J-170, ERJ-190				IO. 15 8/03/2017	PAGE NO. 33-7	
LIV	.3-170, LIX3-190	BABA				33-1	
					.E KEY CATEGORY		
SYSTEM &					BER INSTALL	ED	
SEQUENCE NO.	ITEM					UIRED FOR DISPATCH	
NO.				5,000	4. REMARKS	OR EXCEPTIONS	
33. LIGHTS							
Sequence No.	Item	1	2	3	4		Chang Bar
31-00	Forward and Aft Cargo/Baggage Compartment Lights	С	9	0			·
31-02	Cargo Compartment Light Cages	С	9	0	damaged or raffected light	of light cages may be missing provided the lens is checked or broken after each ing	
32-00	Service Compartment Lights	С	-	0			
41-00	Landing Lights	С	3	2			
		С	3	0	May be inope are not condu	rative provided operations acted at night.	
42-00	Taxi Lights	С	3	0			

NO. 33. LIGHTS Sequence No. Item 1 2 3 4 4 4 4 4 4 4 4	AIRCRAFT:	VIATION ADMINISTRATION		VISIO	N NC	IO. 15	PAGE NO.	
SYSTEM & SEQUENCE NO. ITEM 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 33. LIGHTS Sequence No. Item 1 2 3 4 (M) Any light may be inoperative provided the following minimum configuration is complied with: a) One green light at the right forward wingtip position, b) One red light at the left forward wingtip position, c) One white light at each aft wingtip position, d) One white light at each aft wingtip position, c) One white light at each aft wingtip position, d) One who will be inoperative provided operations are not conducted at night. 44-00 Wing Inspection Lights C 2 0 May be inoperative provided ground deicing procedures do not require their use. C 2 0 May be inoperative provided operations are not conducted at night. 45-00 Red Beacon Lights C 2 0 May be inoperative provided operations provided strobe lights operate normally. C 2 0 May be inoperative provided operations are not conducted at night.	EI	RJ-170, ERJ-190		DAT	E: 0	8/03/2017	33-8	
SYSTEM & SEQUENCE NO. ITEM 1		,	ММ	EL T	ABL	E KEY		
SEQUENCE NO. Sequence No. Navigation Lights 1 2 3 4 43-00 Navigation Lights 1 2 3 4 44-00 Wing Inspection Lights C 2 0 May be inoperative provided operations are not conducted at any time into known or forecast icing conditions. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative provided operations are not conducted at night. C 2 3 3 4 4 4 4 4	01/07=1/4		_					
33. LIGHTS Sequence No. Item 1 2 3 4 43-00 May be inoperative provided operations are not conducted at night. 43-00 Wing Inspection Lights C 2 0 May be inoperative provided ground deicing procedures do not require their use. C 2 0 May be inoperative provided operations are not conducted at night. 45-00 Red Beacon Lights C 2 0 May be inoperative provided operations are not conducted at night. 46-00 Red Beacon Lights C 2 0 May be inoperative provided operations are not conducted at night. 47-00 Red Beacon Lights C 2 0 May be inoperative provided operations are not conducted at night. 48-00 Red Beacon Lights C 2 0 May be inoperative provided operations are not conducted at night. 45-00 Red Beacon Lights C 2 0 May be inoperative for night operations provided strobe lights operate normally. C 2 0 May be inoperative provided operations provided strobe lights operate normally. C 2 0 May be inoperative provided operations are not conducted at night.		ITEM		2.1	NUN	BER INSTALL	ED	
33. LIGHTS Sequence No. Item 1 2 3 4 (M) Any light may be inoperative provided the following minimum configuration is complied with: a) One green light at the right forward wingtip position, b) One red light at the left forward wingtip position, and c) One white light at each aft wingtip position. C - 0 May be inoperative provided operations are not conducted at night. 44-00 Wing Inspection Lights C 2 0 May be inoperative provided ground deicing procedures do not require their use. C 2 0 May be inoperative provided operations are not conducted at night. 45-00 Red Beacon Lights C 2 0 May be inoperative provided operations are not conducted at night. 45-00 Red Beacon Lights C 2 0 May be inoperative provided operations provided strobe lights operate normally. C 2 0 May be inoperative provided operations provided strobe lights operate normally.		IIEM			3. 1	NUMBER REQ	UIRED FOR DISPATCH	
Sequence No. Item	110.					4. REMARKS	OR EXCEPTIONS	
43-00 Navigation Lights C - 4 (M) Any light may be inoperative provided the following minimum configuration is complied with: a) One green light at the right forward wingtip position, b) One red light at the left forward wingtip position, and c) One white light at each aft wingtip position. C - 0 May be inoperative provided operations are not conducted at night. 44-00 Wing Inspection Lights C 2 0 May be inoperative provided operations are not conducted at any time into known or forecast icing conditions. C 2 0 May be inoperative provided ground deicing procedures do not require their use. C 2 0 May be inoperative provided operations are not conducted at night. 45-00 Red Beacon Lights C 2 0 May be inoperative provided operations provided strobe lights operate normally. C 2 0 May be inoperative provided operations provided strobe lights operate normally.	33. LIGHTS							
provided the following minimum configuration is complied with: a) One green light at the right forward wingtip position, b) One red light at the left forward wingtip position, and c) One white light at each aft wingtip position. C - 0 May be inoperative provided operations are not conducted at night. 44-00 Wing Inspection Lights C 2 0 May be inoperative provided operations are not conducted at any time into known or forecast icing conditions. C 2 0 May be inoperative provided ground deicing procedures do not require their use. C 2 0 May be inoperative provided operations are not conducted at night. 45-00 Red Beacon Lights C 2 0 May be inoperative for night operations provided strobe lights operate normally. C 2 0 May be inoperative provided operations are not conducted at night.	Sequence No.	Item	1	2	3	4		Char Ba
44-00 Wing Inspection Lights C 2 0 May be inoperative provided operations are not conducted at any time into known or forecast icing conditions. C 2 0 May be inoperative provided ground deicing procedures do not require their use. C 2 0 May be inoperative provided operations are not conducted at night. 45-00 Red Beacon Lights C 2 0 May be inoperative for night operations provided strobe lights operate normally. C 2 0 May be inoperative provided operations are not conducted at night.	43-00	Navigation Lights	С	-	4	provided the f configuration a) One g forwar b) One re wingtil c) One w	following minimum is complied with: Ireen light at the right of wingtip position, and light at the left forward p position, and white light at each aft	
are not conducted at any time into known or forecast icing conditions. C 2 0 May be inoperative provided ground deicing procedures do not require their use. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative for night operations provided strobe lights operate normally. C 2 0 May be inoperative provided operations are not conducted at night.			С	-	0			
deicing procedures do not require their use. C 2 0 May be inoperative provided operations are not conducted at night. C 2 0 May be inoperative for night operations provided strobe lights operate normally. C 2 0 May be inoperative provided operations are not conducted at night.	44-00	Wing Inspection Lights	С	2	0	are not condu	ucted at any time into	
45-00 Red Beacon Lights C 2 0 May be inoperative for night operations provided strobe lights operate normally. C 2 0 May be inoperative provided operations are not conducted at night.			С	2	0	deicing proce		
c 2 0 provided strobe lights operate normally. May be inoperative provided operations are not conducted at night.			С	2	0		•	
are not conducted at night.	45-00	Red Beacon Lights	С	2	0			
46-00 Logo Lights D 2 0			С	2	0			
	46-00	Logo Lights	D	2	0			

	VIATION ADMINISTRATION					
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		MM	EL T	ABL	E KEY	
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SEQUENCE	ITEM		2.1		BER INSTALLED	
NO.				3.1	NUMBER REQUIRED FOR DISPATCH	
22 LICHTS					4. REMARKS OR EXCEPTIONS	
33. LIGHTS	lt	<u> </u>	l .			Chang
Sequence No.	Item	1	2	3	4	Bar
47-00	Strobe Lights	С	4	0	May be inoperative provided operations are not conducted at night.	
	(Airplanes with Halogen Red Beacon Lights)	С	4	0	(M) May be inoperative provided red beacon lights operate normally.	
50-21	Photoluminescent Escape Route Marking System (Except Lineage 1000)	С	-	-	Up to 10% of any Photoluminescent Escape Route Marking section may be damaged or missing.	I
		С	-	0	 (O) May be missing or inoperative provided: a) No passengers are carried, b) A maximum of 19 persons are carried as authorized by 14 CFR for non-passenger-carrying operations, and c) Alternate procedures are established and used. 	:
-01	With STC ST03523NY or ST03522NY	С	-	-	May be inoperative or missing provided: a) No more than a length of 0.25 meters (10 inches) of inoperative or missing strips in an aisle of the photoluminescent strips are directly opposite each other and are not closer togethe than 2 meters (78.74 inches), and b) No more than four such parts may be inoperative or missing.	

	TMENT OF TRANSPORT		N		MASTER MINIMUM EQUIPMENT I	LIST
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					E KEY	
SYSTEM &		1. F			CATEGORY	
SEQUENCE	ITEM		2.1		BER INSTALLED	
NO.				3.1	NUMBER REQUIRED FOR DISPATCH	
22 LIGHTS					4. REMARKS OR EXCEPTIONS	
33. LIGHTS	T	Τ.	T _		T.	Change
Sequence No.	Item	1	2	3	4	Bar
50-25	External Emergency Lights (EMBRAER 190/195)	С	-	0	May be inoperative provided operations are not conducted at night.	I
		С	-	0	 (O) May be missing or inoperative provided: a) No passengers are carried, b) A maximum of 19 persons are carried as authorized by 14 CFR for non-passengers-carrying operations, and c) Alternate procedures are established and used. 	
50-30	Exit Markings	C		0	(O) May be missing or inoperative provided: a) No passengers are carried, b) A maximum of 19 persons are carried as authorized by 14 CFR for non-passenger-carrying operations, and c) Alternate procedures are established and used.	

	TMENT OF TRANSPORTA	_	N		MASTE	R MINIMUM EQUIPMENT	LIST
FEDERAL A	VIATION ADMINISTRATIO						
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			MEL TABLE KEY				
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2. r		BER INSTALLE		
NO.				3. ľ		UIRED FOR DISPATCH OR EXCEPTIONS	
34. NAVIGAT	ΓΙΟΝ				4. INDIVIANIO	ON EXCELLIONS	
Sequence No.	Item	1	2	3	4		Change
11-00	Integrated Electronic	•	_		•		Bar
11-00	Standby System (IESS)						
-01	Standby Attitude Indication	С	1	0	May be inope required by 14	rative provided not 4 CFR.	
		В	1	0	a) All disposition a) Opera Day V c) Opera into kn	rative provided: play units are operative, tions are conducted in MC only, and tions are not conducted nown or forecast ne-top conditions.	
-02	STD Baro Button	С	1	0		rative provided n the IESS operates	
-03	Brightness Buttons	С	2	0		rative provided brightness table to the crew.	
-04	CAGE Button	В	1	0	· '	operative provided IESS is efore each flight.	
		В	1	0		rative provided IESS ition is considered	
-05	VMO/MMO Barber Pole	С	1	0	May be inope is displayed.	rative provided VMO Flag	
15-03	Total Air Temperature (TAT) Sensors	В	2	1	autopilot and	operative provided autothrottle are not e affected air data system.	

U.S. DEPAR	TMENT OF TRANSPORTA	IOITA	N			·
FEDERAL A	VIATION ADMINISTRATIC	N			MASTER MINIMUM EQUIPMENT LIS	Ι
AIRCRAFT:		RE'	VISIO	N NC	NO. 15 PAGE NO.	
ER	RJ-170, ERJ-190		DAT	E: 0	08/03/2017 34-2	
		_			LE KEY	
SYSTEM &		1. F	$\overline{}$		CATEGORY	
SEQUENCE	ITEM		2. [IBER INSTALLED NUMBER REQUIRED FOR DISPATCH	
NO.				3. 1	4. REMARKS OR EXCEPTIONS	
34. NAVIGA	TION				THE TRANSPORT OF THE TR	
Sequence No.	Item	1	2	3		ange Bar
15-05	Total Air Temperature (TAT) Indications				Deleted, Revision 4.	
15-07	Static Air Temperature (SAT) Indications	С	6	0		
15-09	True Airspeed (TAS) Indications	С	4	0		
23-00	Standby Magnetic Compass System	В	1	0	(O) May be inoperative provided: a) Two IRS stabilized Compass Systems operate normally, and b) Airplane is operated with Dual Independent Navigation Capability and under Positive Radar Control by ATC on the enroute portion of the flight.	
			1	0	(O) May be inoperative provided: a) Two IRS stabilized Compass Systems operate normally, b) Airplane is operated with Dual Independent Navigation Capability, and c) Two Global Positioning Systems operate normally.	

U.S. DEPAR	TMENT OF TRANSPORT	ATIO	N		MASTE	R MINIMUM EQUIPMENT I	LIST
FEDERAL A	VIATION ADMINISTRATION	NC			100 12		
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					E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY	-D	
SEQUENCE	ITEM		2.1		BER INSTALLE	UIRED FOR DISPATCH	
NO.				0.1		OR EXCEPTIONS	
34. NAVIGAT	TION				1		
Sequence No.	Item	1	2	3	4		Change Bar
25-00 ***	Head-Up Guidance System (HGS)	D	2	1			
		D	-	0		rative provided approach operating procedures its use.	
						ode which operates Ily may be used.	
27-00 ***	Enhanced Flight Vision System (EFVS) (LINEAGE 1000)	D	1	0	a) Syster b) Approa	operative provided: n is deactivated, ach minimums or operating dures do not require its	I
						ICAS message HUD FAIL layed after system vation.	

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	N		MASTER MINIMUM EQUIPMENT LIST
FEDERAL A	VIATION ADMINISTRATIO	N			
AIRCRAFT:		RE'	VISIO	N NC	O. 15 PAGE NO.
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34. NAVIGAT	T	T .	Π_	T _	A Change
Sequence No.	Item	1	2	3	Bar
31-00	Radar Altimeter System	С	-	1	(M)(O) May be inoperative provided:a) System is deactivated, andb) Approach minimums or operating procedures do not require its use.
	(All Configurations Except LINEAGE 1000 with the Iridium System Installed)	A	-	0	 (M)(O) May be inoperative provided: a) System is deactivated, b) Approach minimums or operating procedures do not require its use, c) Ground Proximity Warning System (GPWS) Modes 1–4, Mode 5, Advisory Callouts, and Windshear Mode are considered inoperative, d) Traffic Alert and Collision Avoidance System (TCAS) is considered inoperative, e) The Iridium System, is considered inoperative, and f) Repairs are made within 2 flight days.
	(LINEAGE 1000 with the Iridium System Installed)	A	-	0	 (M)(O) May be inoperative provided: a) System is deactivated, b) Approach minimums or operating procedures do not require its use, c) Ground Proximity Warning System (GPWS) Modes 1–4, Mode 5, Advisory Callouts, and Windshear Mode are considered inoperative, d) Traffic Alert and Collision Avoidance System (TCAS) is considered inoperative, e) The Internal Door Warning System is considered inoperative, f) The Iridium System, is considered inoperative, and g) Repairs are made within 2 flight days. (Continued)

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		ММ			E KEY	0.0
SYSTEM & SEQUENCE NO. 34. NAVIGA	ITEM		REP	AIR (NUM	CATEGORY BER INSTALL NUMBER REQ	ED UIRED FOR DISPATCH S OR EXCEPTIONS
Sequence No.	Item	1	2	3	4	Chan
31-00	Radar Altimeter System (Cont'd)		_			Bar
	(All Configurations Except LINEAGE 1000 without the Iridium System Installed)	A	-	0	a) Syster b) Appro proced use, c) Groun Syster Mode Winds inoper d) Traffic Avoids consic e) Repai	the inoperative provided: Im is deactivated, Imach minimums or operating and proximity Warning Im (GPWS) Modes 1–4, Is, Advisory Callouts, and and shear Mode are considered arative, Is Alert and Collision ance System (TCAS) is dered inoperative, and are made within at days.
	(LINEAGE 1000 without the Iridium System Installed)	A	-	0	a) Syster b) Appro proced use, c) Groun Syster Mode Winds inoper d) Traffic Avoida consic e) The Ir Syster inoper f) Repai	re inoperative provided: m is deactivated, rach minimums or operating dures do not require its and Proximity Warning m (GPWS) Modes 1–4, 5, Advisory Callouts, and shear Mode are considered rative, c Alert and Collision ance System (TCAS) is dered inoperative, nternal Door Warning m is considered rative, and rs are made within at days.

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			-		MASTER MINIMUM EQUIPMENT	LIST
	VIATION ADMINISTRATION		.//01/	2N L N	10.45 DAOF NO	
AIRCRAFT:	01470 FD1400	KE			IO. 15 PAGE NO.	
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					.E KEY Category	
SYSTEM &		1.1			BER INSTALLED	
SEQUENCE NO.	ITEM				NUMBER REQUIRED FOR DISPATCH	
NO.					4. REMARKS OR EXCEPTIONS	
34. NAVIGA	TION					
Sequence No.	Item	1	2	3	4	Change Bar
32-00	Very High Frequency Navigation Systems (VHF NAV)					
-01	VOR Systems	С	2	-	Any in excess of those required by 14 CFR may be inoperative.	
-02	ILS Systems	С	2	-	Any in excess of those required by 14 CFR may be inoperative.	
-03	Marker Beacon Systems	С	2	-	May be inoperative provided approach minimums do not require its use.	
41-00	Enhanced Ground Proximity Warning System (EGPWS)					
-01	Ground Proximity Warning System (GPWS)	A	1	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Repairs are made within 2 flight days.	
-A	Modes 1–4	A	4	0	(O) May be inoperative provided: a) Alternate procedures areestablished and used, andb) Repairs are made within2 flight days.	
-B	Test Mode	A	1	0	May be inoperative provided: a) GPWS is considered inoperative and b) Repairs are made within 2 flight days.	,
					(Continued)	

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FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT	LIST
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SYSTEM &		1. F			CATEGORY	
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34. NAVIGA	TION				4. REMARKS OR EXCEPTIONS	
Sequence No.	Item	1	2	3	4	Change
41-00	Enhanced Ground	•	_		-	Bar
41-00	Proximity Warning System (EGPWS) (Cont'd)					
-01	Ground Proximity Warning System (GPWS) (Cont'd)					
-C	Glideslope Deviation(s) (Mode 5)	С	-	1		
		В	-	0		
-D	Advisory Callouts	В	-	0	(O) May be inoperative provided alternate procedures are established and used.	
		С	-	0	 (O) May be inoperative provided: a) Advisory callout not required by 14 CFR, and b) Alternate procedures are established and used. 	
-E	Windshear Warning and Flight Guidance System (Windshear Mode)	В	-	0	(O) May be inoperative provided alternate procedures are established and used.	
					NOTE: Operator's alternate procedures should include reviewing windshear avoidance and windshear recovery procedures.	
					(Continued)	

TMENT OF TRANSPORTA	OIT	N		MASTE	ED MINIMUM EOLUDMENT	LICT
/IATION ADMINISTRATIO	N			IVIASTE	R WIINIWOW EQUIPMENT	LIST
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J-170, ERJ-190		DAT	E: 0	8/03/2017	34-8	
	1. F					
ITEM		2. ľ				
			3. I			
TON				4. I CEMINITO	OK EXCELLIONS	
Item	1	2	3	4		Change Bar
Enhanced Ground Proximity Warning System (EGPWS) (Cont'd)						
Terrain System – Forward Looking Terrain Avoidance (FLTA) and Terrain Clearance Floor (TCF) Functions	В	1	0			
Runway Awareness and Advisory System (RAAS)	С	1	0			
Steep Approach Mode	D	1	0			
Weather Radar System	С	-	-			
Stabilization Function	В	1	0	a) Antenr aircraf	na sweep is parallel to the transfer is parallel to the transfer is the transfer in the transfer is the transfer in the transfer is the transfer in the transfer is the transfer in the transfer is the transfer in the transfer is the transfer in the transfer is the transfer in the transfer is the transfer in the transfer is the transfer in the transfer is the transfer in the transf	
	ITEM ITEM ITEM Item Enhanced Ground Proximity Warning System (EGPWS) (Cont'd) Terrain System – Forward Looking Terrain Avoidance (FLTA) and Terrain Clearance Floor (TCF) Functions Runway Awareness and Advisory System (RAAS) Steep Approach Mode Weather Radar System	ITEM ITEM	ITEM ITEM	ITEM ITEM	Table Revision R	REVISION NO. 15 PAGE NO. DATE: 08/03/2017 34-8 MMEL TABLE KEY 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS Item

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-		_			E KEY	
SYSTEM &		1. 1	$\overline{}$		CATEGORY BER INSTALLED	
SEQUENCE	ITEM		2.1		NUMBER REQUIRED FOR DISPATCH	
NO.				0. 1	4. REMARKS OR EXCEPTIONS	
34. NAVIGA	TION					
Sequence No.	Item	1	2	3	4	Change Bar
43-00	Traffic Alert and Collision Avoidance System II (TCAS II)	С	-	0	 (M) May be inoperative provided: a) System is deactivated and secured, and b) Enroute or approach procedures do not require its use. (M)(O) May be inoperative provided: a) Not required by 14 CFR, 	
					b) System is deactivated and secured, andc) Enroute or approach procedures do not require its use.	
-01	Resolution Advisory (RA) Display System(s)	С	2	1	May be inoperative on non-flying pilot side.	
		С	-	0	 (O) May be inoperative provided: a) Traffic Alert (TA) visual display and audio functions are operative, b) TA only mode is selected by the crew, and c) Enroute or approach procedures do not require its use. 	
-02	Traffic Alert Display System(s)	С	-	0	 (O) May be inoperative provided: a) RA visual display and audio functions are operative, and b) Enroute or approach procedures do not require its use. 	
-03	Audio Functions	В	1	0	May be inoperative provided enroute or approach procedures do not require use of TCAS.	
-04 ***	Airspace Selection Function	С	-	0		

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	N		U.S. DEPARTMENT OF TRANSPORTATION								
FEDERAL A	VIATION ADMINISTRATIO	N			MASTE	R MINIMUM EQUIPMENT	LIST						
AIRCRAFT:			REVISION NO. 15 PAGE NO.										
ER	RJ-170, ERJ-190		DATE: 08/03/2017 34-10										
				EL TABLE KEY									
SYSTEM &		1. F	$\overline{}$		CATEGORY DEB INSTALL	ED.							
SEQUENCE	ITEM		2.1		BER INSTALLI	UIRED FOR DISPATCH							
NO.				0. 1		OR EXCEPTIONS							
34. NAVIGAT	ΓΙΟΝ												
Sequence No.	Item	1	2	3	4		Change Bar						
44-00 ***	Lightning Sensor System	D	-	0									
51-00	Distance Measuring Equipment (DME) Systems	D	2	-		of those required by be inoperative.							
52-00	ATC Transponders and Automatic Altitude Reporting Systems	В	2	0	a) Opera use, a b) Prior to obtain having	rative provided: tions do not require its nd o flight, approval is ed from ATC facilities g jurisdiction over the ed route of flight.							
		D	-	1		s of those required by be inoperative.							
-01	Elementary and Enhanced Downlink Aircraft Reportable Parameters Not Required by 14 CFR	A	-	0	a) Opera use, a b) Repail compl	rative provided: tions do not require its nd rs are made prior to the etion of the next maintenance visit.							
-02	ADS-B Squitter Transmissions	С	-	0	alternate production and used. NOTE: Any A	operative provided sedures are established DS-B Out function that ses normally may be used.							
52-03	Automatic Dependent Surveillance-Broadcast (ADS-B) System				Deleted, Revi	sion 12.							

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	V		MASTER MINIMUM EQUIPMENT	LIST		
FEDERAL A	VIATION ADMINISTRATIO							
AIRCRAFT:		RE'	REVISION NO. 15 PAGE NO.					
ER	J-170, ERJ-190		DATE: 08/03/2017 34-11					
					E KEY			
SYSTEM &		1. F	$\overline{}$		CATEGORY			
SEQUENCE	ITEM		2. 1		BER INSTALLED			
NO.				3. ľ	NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
34. NAVIGAT	TION .		<u> </u>		4. REMARKS OR EXCEPTIONS			
Sequence No.	Item	1	2	3	4	Change		
						Bar		
53-00	Automatic Direction Finder (ADF) System	D	-	-	Any in excess of those required by 14 CFR may be inoperative.			
56-00	Global Positioning System	С	-	0	May be inoperative provided procedures do not require its use.			
		D	2	1				
61-00	Flight Management System (FMS)	С	-	0	(O) May be inoperative provided alternate procedures are established and used.			
		D	2	1	(O) May be inoperative provided procedures do not require its use.	l		
-01	Navigation Databases	A	-	0	May be inoperative provided: a) Operations do not require its use, b) It is not used in a primary navigation system required by 14 CFR, c) Alternate procedures are developed and used, d) The ICAO Flight Plan is updated (as required) to notify ATC of the navigation equipment status of the aircraft, and e) Is repaired within 10 flight days. NOTE: An out-of-currency or out-of-date navigation database is not authorized MMEL relief per 14 CFR.			

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	V				
FEDERAL A	VIATION ADMINISTRATIO	N			MASTE	R MINIMUM EQUIPMENT L	IST
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ER	RJ-170, ERJ-190		DAT	E: 0	8/03/2017	34-12	
					E KEY		
SYSTEM &		1. F			CATEGORY	-D	
SEQUENCE	ITEM		2.1		BER INSTALLE	UIRED FOR DISPATCH	
NO.				• •		OR EXCEPTIONS	
34. NAVIGA	TION						
Sequence No.	Item	1	2	3	4		Change Bar
61-02	Multifunction Control Display Unit (MCDU)	В	2	1	provided: a) VHF C norma b) VHF N norma c) All CC touchp both si d) All disp norma e) Approx	JÁV 1 and 2 operate Illy, D buttons, knobs, and pads operate normally on	

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	V		MA OTER MINUM FOLURNENT L	LOT
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT L	161.
AIRCRAFT:			VISIO	IO. 15 PAGE NO.		
ER	J-170, ERJ-190		DAT	E: 0	8/03/2017 35-1	
					E KEY	
SYSTEM &		1. F			CATEGORY	
SEQUENCE	ITEM		2. 1		BER INSTALLED NUMBER REQUIRED FOR DISPATCH	
NO.				J. 1	4. REMARKS OR EXCEPTIONS	
35. OXYGEN			1	ı	,	
Sequence No.	Item	1	2	3	4	Change Bar
10-08	Crew Oxygen Cylinder Charging Valve	С	1	0	 (M) May be inoperative provided: a) There is no evidence of leakage, and b) Crew Oxygen Cylinder is removed for refilling or is replaced with a full one, if necessary. 	
11-01	Crew Oxygen Pressure Indication					
-01	Crew Oxygen Indication on MFD	С	2	0	 (O) May be inoperative provided: a) Crew oxygen pressure is checked before each departure, b) Flight is not conducted over an area where the Minimum Enroute Altitude is above 10,000 feet MSL, c) Both air conditioning packs operate normally, d) Pressurization system operates normally, and e) Flight is conducted at or below FL 250. 	
-02	Crew Oxygen Pressure Indication on Pressure Gauge Outside Airplane	С	1	0	(O) May be inoperative provided Crew Oxygen Pressure Indication on MFD is checked before each departure.	
11-03	Oxygen Cylinder Pressure Relief Disc (Green Disc)	С	-	0		

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	N		MASTER MINIMUM EQUIPMENT LIST
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AIRCRAFT:		RE'	VISIO	N NC	NO. 15 PAGE NO.
ER	J-170, ERJ-190		DAT	ΓE: 0	08/03/2017 35-2
		ММ	EL T	ABL	LE KEY
CVCTEM 0		1. F	REP/	AIR (CATEGORY
SYSTEM & SEQUENCE	ITEM		2.1		IBER INSTALLED
NO.	11 -141			3.1	NUMBER REQUIRED FOR DISPATCH
25 200/250		1			4. REMARKS OR EXCEPTIONS
35. OXYGEN		T	Change		
Sequence No.	Item	1	2		Bar
20-00	Passenger Oxygen System	В	1	0	 (O) May be inoperative provided: a) Flight is not conducted over an area where the Minimum Enroute Altitude is above 14,000 feet MSL, b) Both air conditioning packs operate normally, c) Pressurization system operates normally, d) Flight is conducted at or below FL 250, e) Portable Oxygen Cylinders and Masks are provided for all cabin crewmembers and for a 30-minute period for 10% of the passengers, and f) Passengers are appropriately briefed. May be inoperative provided flight is conducted at or below 10,000 feet MSL.
-01	Automatic Deployment System	С	1	0	 (M)(O) May be inoperative provided: a) Manual deployment (OVRD) system operates normally, and b) Flight is conducted at or below FL 300.
-02	Passenger Oxygen Dispensing Unit	С	-	0	 (M) May be inoperative with no flight altitude restriction provided: a) Affected seats are placarded and blocked to prevent occupancy, and b) Units operate normally at all usable lavatory and flight attendant locations.

U.S. DEPAR	U.S. DEPARTMENT OF TRANSPORTATION								
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT	LIOI			
AIRCRAFT:		RE'	REVISION NO. 15 PAGE NO.						
ER	J-170, ERJ-190		DATE: 08/03/2017 35-3						
					E KEY				
SYSTEM &		1. F	$\overline{}$		CATEGORY				
SEQUENCE	ITEM		2. [BER INSTALLED NUMBER REQUIRED FOR DISPATCH				
NO.				3. 1	4. REMARKS OR EXCEPTIONS				
35. OXYGEN					, =				
Sequence No.	Item	1	2	3	4	Change Bar			
20-02	Passenger Oxygen Dispensing Unit Door Electrical Latches (Except LINEAGE 1000)	С	-	0	 (M)(O) Automatic opening feature of the door latch(es) may be inoperative unlatched and kept closed by an alternative means provided: a) Associated Passenger Oxygen Dispensing Unit operates normally, b) Flight is conducted at or below FL 300, and c) Passenger(s) occupying the associated seat(s) is (are) briefed on oxygen mask procedure. 				
20-03	Passenger Oxygen Box Deploy Tool (Except LINEAGE 1000)	С	-	0	(O) May be missing provided an alternative tool is available.	I			
20-09	Lavatory Oxygen System (Except LINEAGE 1000)	С	-	0	 (O) May be inoperative provided: a) Lavatory door is locked closed and placarded "INOPERATIVE – DO NOT ENTER", and b) Lavatory is not used for any purpose. NOTE: These provisos are not intended to prohibit lavatory inspections 	l			
					by crewmembers.				
		С	-	0	(O) May be inoperative provided procedures are established and used to only allow use of the associated lavatory at or below FL 250.				
21-04	Passenger Oxygen Masks Deployed ON Indication Light	С	1	0					

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	V				
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	VIATION ADMINISTRATIO						
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ER	NJ-170, ERJ-190		DAT	E: 0	8/03/2017	35-4	
					E KEY		
SYSTEM &		1. F			CATEGORY		
SEQUENCE	ITEM		2. r		BER INSTALL		
NO.				J. I		UIRED FOR DISPATCH OR EXCEPTIONS	
35. OXYGEN					7. INEMIAINO	OK EXOLI HONO	
Sequence No.	Item	1	2	3	4		Change Bar
30-01	Portable Oxygen	D	_	-		cess of those required by	Bar
	Portable Oxygen Cylinder and Masks		-	-	14 CFR may I a) Required serviced maintal and b) Cylind are represented to the maintenance of the control of th	pe inoperative provided: red distribution of eable cylinders is ained throughout aircraft, ers not properly serviced blaced, serviced, or ed at the next available enance facility.	
30-03	Protective Breathing Equipment (PBE)	D			14 CFR may l	of those required by the inoperative or removed the inoperative or removed the inoperation placarding is removed.	

U.S. DEPAR	TMENT OF TRANSPORT	ATIOI	N		AAAATED AUNUM IM EQUUDNENT LIGT				
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIST				
AIRCRAFT:		RE'	REVISION NO. 15 PAGE NO.						
ER	J-170, ERJ-190		DATE: 08/03/2017 36-1						
		_			LE KEY				
SYSTEM & SEQUENCE NO.	ITEM	1. F	REPAIR CATEGORY NUMBER INSTALLED NUMBER REQUIRED FOR DISPATCH REPAIR CATEGORY						
36. PNEUMA	ATIC	4. REMARKS OR EXCEPTIONS							
Sequence No.	Item	1	2	3	4 Change Bar				
00-00	Engine Bleed Systems	С	2	1	(O) Except for ER operations, one may be inoperative provided: a) Associated engine bleed remains selected off, b) Crossbleed Valve operates normally, and c) Flight is conducted at or below FL 310. NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope).				
	(Airplanes without Forward Cargo Compartment Ventilation Installed or with Cargo Shutoff Valve (P/N 1001497-2))	С	2	1	(O) Except for ER operations, one may be inoperative provided: a) Associated engine bleed remains selected off, b) If Bleed 1 is affected, live animals are not carried in the cargo/baggage compartment, c) Airplane is not operated in known or forecast icing conditions, and d) Flight is conducted at or below FL 310. NOTE: See AFM for Engine Airstart – Windmilling (Engine Airstart Envelope).				
					(Continued)				

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	N		MACTE		LICT
FEDERAL A	VIATION ADMINISTRATIO	N			IVIASTE	R MINIMUM EQUIPMENT I	LIOI
AIRCRAFT:			VISIO	A NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190		DAT	ΓΕ: 0	8/03/2017	36-2	
		ММ	EL T	ABL	E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALL		
NO.				3. ľ		UIRED FOR DISPATCH	
36. PNEUMA	ATIC		4. REMARKS OR EXCEPTIONS				
Sequence No.	Item	1	2	3	4		Change Bar
00-00	Engine Bleed Systems (Cont'd)						Dai
	(Airplanes with Cargo Shutoff Valve (P/N 1001497-1))	С	2	1	be inoperative a) Associon selecte b) Airplar known conditi c) If Blee cargo/shutofiinoper d) Flight FL 310 NOTE: See A Windm	iated engine bleed remains ed off, ne is not operated in or forecast icing ions, and 1 is affected, the forward aft baggage compartment of valve is considered ative, and is conducted at or below 0. FM for Engine Airstart — milling (Engine Airstart ppe).	
		С	2	0	inoperative pr a) Both e selecte b) APU b and su c) Flight FL 150 d) Airplar known conditi	engine bleeds remained off, bleed is operating normally upplying bleed air, is conducted at or below D, and he is not operated in or forecast icing ions. FM for Engine Airstart — hilling (Engine Airstart	
					(Continued)		

	TMENT OF TRANSPORTA	_	N		MASTE	R MINIMUM EQUIPMENT	LIST	
AIRCRAFT:	VIATION ADMINISTRATIO		// С /	7NI N	IO. 15	PAGE NO.		
	J-170, ERJ-190	KE			8/03/2017	36-3		
EN	J-170, ENJ-190	BABA				30-3		
SYSTEM & SEQUENCE NO.	ITEM		1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH					
36. PNEUMA	TIC		4. REMARKS OR EXCEPTIONS					
Sequence No.	Item	1	2	3	4		Change	
		•	_		7		Bar	
00-00	Engine Bleed Systems (Cont'd) (All Configurations without Forward Cargo Compartment Ventilation Installed or with Cargo Shutoff Valve (P/N 1001497-2) Except EMBRAER 190ECJ)	С	2	0	inoperative pr a) Both e selecte b) Live an the ca c) Flight unpres d) Airplar known conditi	engine bleeds remained off, nimals are not carried in rgo/baggage compartment, is conducted in an essurized configuration, and ne is not operated in or forecast icingions. FM for Engine Airstart – nilling (Engine Airstart		
	(LINEAGE 1000 with Cargo Shutoff Valve (P/N 1001497-2))	С	2	0	inoperative pr a) Both e selecte b) Live an the aft c) Flight unpres d) Airplar known conditi e) The Ai consid NOTE: See A Windm Envelo	engine bleeds remained off, nimals are not carried in baggage compartment, is conducted in an esurized configuration, ne is not operated in or forecast icing ions, and uxiliary Fuel system is lered inoperative. FM for Engine Airstart — nilling (Engine Airstart		
					(Continued)			

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	V		MASTER MINIMUM EQUIPMENT LIST
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AIRCRAFT:		RE'	VISIO	N NC	NO. 15 PAGE NO.
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SYSTEM &		1. F			CATEGORY
SEQUENCE	ITEM		2. 1		IBER INSTALLED NUMBER REQUIRED FOR DISPATCH
NO.				J. 1	4. REMARKS OR EXCEPTIONS
36. PNEUMA	TIC				
Sequence No.	Item	1	2	3	4 Change Bar
00-00	Engine Bleed Systems (Cont'd)				
	(All Configurations with Cargo Shutoff Valve (P/N 1001497-1) Except LINEAGE 1000)	С	2	0	(O) Except for ER operations, may be inoperative provided: a) Both engine bleeds remain selected off, b) The forward cargo/aft baggage compartment shutoff valve is considered inoperative, c) Flight is conducted in an unpressurized configuration, and d) Airplane is not operated in known or forecast icing conditions. NOTE: See AFM for Engine Airstart — Windmilling (Engine Airstart
	(LINEAGE 1000 with Cargo Shutoff Valve (P/N 1001497-1))				Envelope). (O) Except for ER operations, may be inoperative provided: a) Both engine bleeds remain selected off, b) The aft baggage compartment shutoff valve is considered inoperative, c) Flight is conducted in an unpressurized configuration, d) Airplane is not operated in known or forecast icing conditions, and e) The Auxiliary Fuel system is considered inoperative. NOTE: See AFM for Engine Airstart — Windmilling (Engine Airstart Envelope).

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	N		
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPMENT LIST
AIRCRAFT:	VIATION ADMINISTRATIO		VISIO	ON N	NO. 15 PAGE NO.
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					LE KEY
SYSTEM &		1. F			CATEGORY
SEQUENCE	ITEM		2. 1		MBER INSTALLED NUMBER REQUIRED FOR DISPATCH
NO.				3.1	4. REMARKS OR EXCEPTIONS
36. PNEUMA	TIC			1	
Sequence No.	Item	1	2	3	4 Chan Bar
00-01	Bleed Air Manifold Pressure Indications on MFD	С	4	0	(O) May be inoperative provided alternate procedures are established and used.
10-01	Cross Bleed Valve	С	1	0	(M)(O) Except for ER operations, may be inoperative provided valve is verified closed and remains closed except for engine starting. NOTE: See AFM for Engine Airstart –
	(All Configurations Except LINEAGE 1000)	С	1	0	Windmilling (Engine Airstart Envelope). (O) Except for ER operations, may be inoperative provided: a) Flight is conducted in an unpressurized configuration, and b) Airplane is not operated in known or forecast icing conditions.
	(LINEAGE 1000)	С	1	0	(O) Except for ER operations, may be inoperative provided: a) Flight is conducted in an unpressurized configuration, b) Airplane is not operated in known or forecast icing conditions, and c) The Auxiliary Fuel System is considered inoperative.

AIRCRAFT:	VIATION ADMINISTRATI		VISIO	ON N	O. 15 PAGE NO.					
ER	RJ-170, ERJ-190		DATE: 08/03/2017 36-6							
			EL TABLE KEY							
SYSTEM & SEQUENCE NO.	ITEM	1. F	1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			СН				
36. PNEUMA	ATIC									
Sequence No.	Item	1	2	3	4	Chang Bar				
11-01	High Stage Bleed Valves	С	2	0	 (M)(O) Except for ER operations, m be inoperative provided: a) Both High Stage Bleed Valve are secured closed, and b) Both Engine Bleed Systems considered inoperative. 	es				
		С	2	1	 (M)(O) Except for ER operations, or may be inoperative provided: a) Affected High Stage Bleed V is secured closed, and b) Associated Engine Bleed Sy is considered inoperative. 	/alve				
11-03	Engine Bleed Valves	С	2	1	 (M)(O) Except for ER operations, or may be inoperative provided: a) Affected Engine Bleed Valve secured closed, and b) Associated Engine Bleed Sy is considered inoperative. 	e is				
		С	2	0	(M)(O) Except for ER operations, be be inoperative provided: a) Both Engine Bleed Valves a secured closed, and b) Both Engine Bleed Systems considered inoperative.	re				

TMENT OF TRANSPORTA	OIT	V		MASTE	R MINIMUM EQUIPMENT I	₋IST
VIATION ADMINISTRATIO	N					
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RJ-170, ERJ-190		DAT				
ITEM		2. 1				
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ATIC				'		
Item	1	2	3	4		Change Bar
Fan Air Valves				Deleted, Revi	sion 10.	
Fan Air Inlet Doors (EMBRAER 170/175) (Pre-Mod SB 170-36-0008 or Post-Mod SB 170-54-0010)	С	2	0	a) Affecte and b) Approp	ed door is secured open, priate performance	I
APU Pneumatic Bleed System	С	1	0			
APU Bleed Shutoff Valve	С	1	0	inoperative pr a) Valve	ovided: is secured closed, and	
APU Bleed Check Valve	С	1	0			
High Pressure Ground Connection Check Valve	В	1	0			
	ITEM ATIC Item Fan Air Valves Fan Air Inlet Doors (EMBRAER 170/175) (Pre-Mod SB 170-36-0008 or Post-Mod SB 170-54-0010) APU Pneumatic Bleed System APU Bleed Shutoff Valve High Pressure Ground Connection	VIATION ADMINISTRATION RESIDENT STATE ITEM ATIC Item 1 Fan Air Valves Fan Air Inlet Doors (EMBRAER 170/175) (Pre-Mod SB 170-36-0008 or Post-Mod SB 170-54-0010) APU Pneumatic Bleed System APU Bleed Shutoff Valve C High Pressure Ground Connection BE	REVISION DATES ITEM ATIC Item 1 2 Fan Air Valves Fan Air Inlet Doors (EMBRAER 170/175) (Pre-Mod SB 170-36-0008 or Post-Mod SB 170-54-0010) APU Pneumatic Bleed System APU Bleed System APU Bleed Check Valve APU Bleed Check Valve C 1 High Pressure Ground Connection REVISIO DATES (C) AMBL T 1. REPA 2. N C 2 Fan Air Valves C 1 A 1 A 2 Fan Air Valves C 1 APU Bleed Check Valve C 1	Nation Revision MASTE VIATION ADMINISTRATION REVISION NO. 15 DATE: 08/03/2017 MMEL TABLE KEY 1. REPAIR CATEGORY 2. NUMBER INSTALLI 3. NUMBER REQ 4. REMARKS ATIC Item 1 2 3 4 Fan Air Valves Fan Air Inlet Doors (EMBRAER 170/175) (Pre-Mod SB 170-36-0008 or Post-Mod SB 170-54-0010) APU Pneumatic Bleed System C 1 0 Except for ER inoperative proselected off. APU Bleed Shutoff Valve APU Bleed Check Valve C 1 0 Except for ER inoperative proselected off. APU Bleed Check Valve C 1 0 Except for ER inoperative proselected off. APU Bleed Check Valve APU Bleed Check Valve APU Bleed Check Valve B 1 0 May be inoperative proselected off. High Pressure Ground Connection B 1 0 May be inoperative proselected off.	MASTER MINIMUM EQUIPMENT I VIATION ADMINISTRATION REVISION NO. 15 PAGE NO. DATE: 08/03/2017 36-7 MMEL TABLE KEY 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS ATIC Tem 1 2 3 4 Fan Air Valves Fan Air Inlet Doors (EMBRAER 170/175) (Pre-Mod SB 170-36-0008 or Post-Mod SB 170-54-0010) APU Pneumatic Bleed System C 1 0 Except for ER operations, may be inoperative provided: a) Affected door is secured open, and b) Appropriate performance penalties are applied. C 1 0 Except for ER operations, may be inoperative provided: a) Valve is secured closed, and b) APU Bleed remains selected off. APU Bleed Check Valve C 1 0 Except for ER operations, may be inoperative provided: a) Valve is secured closed, and b) APU Bleed remains selected off. APU Bleed Check Valve B 1 0 May be inoperative closed provided APU Bleed remains selected off.	

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FEDERAL A	VIATION ADMINISTRATIO	N					
AIRCRAFT:		RE'	VISIO	N NC	IO. 15 PAGE NO.		
ER	J-170, ERJ-190		DAT	E: 0	8/03/2017 36-8		
		MMEL TABLE KEY					
SYSTEM &		1. F	REP/	AIR C	CATEGORY		
SEQUENCE	ITEM	2. NUMBER INSTALLED					
NO.	11 2 111	3. NUMBER REQUIRED FOR DISPATCH					
					4. REMARKS OR EXCEPTIONS		
36. PNEUMA	ATIC	1	1	1		01	
Sequence No.	Item	1	2	3	4	Change Bar	
21-00	BLEED 1(2) LEAK Caution EICAS Message	C	2	1	 (M)(O) Except for ER operations, BLEED 1 LEAK Caution EICAS message may be inoperative provided: a) Associated Engine Bleed valve is secured closed, b) Crossbleed valve remains closed, c) APU Pneumatic Bleed System is considered inoperative, d) Airplane is not operated in known or forecast icing conditions, e) Forward cargo/aft baggage compartment shutoff valves are considered inoperative, and f) Flight is conducted at or below FL 310. 		
		C	2	1	 (M)(O) Except for ER operations, BLEED 2 LEAK Caution EICAS message may be inoperative provided: a) Associated Engine Bleed valve is secured closed, b) Crossbleed valve remains closed, c) Airplane is not operated in known or forecast icing conditions, and d) Flight is conducted at or below FL 310. 		
					(Continued)		

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FEDERAL A	VIATION ADMINISTRATIO	N					
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ER	RJ-170, ERJ-190		DAT	E: 0	8/03/2017	36-9	
		MMEL TABLE KEY					
CVCTEM		1. F	REPA	AIR (CATEGORY		
SYSTEM & SEQUENCE	ITEM		2.1	MUŅ	BER INSTALL	ED	
NO.	I I LIVI			3.1		UIRED FOR DISPATCH	
899 30 300 60 5 5 5 5					4. REMARKS	OR EXCEPTIONS	
36. PNEUMA	ATIC		ı	ı			12.
Sequence No.	Item	1	2	3	4		Change Bar
21-00	BLEED 1(2) LEAK Caution EICAS Message (Cont'd)						
	(All Configurations Except LINEAGE 1000)	С	2	0	be inoperative a) Both E secure b) APU E consid c) Flight unpres d) Airplar known conditi e) Forwa compa consid	Engine Bleed valves are ed closed, Bleed Shutoff Valve is lered inoperative, is conducted in an essurized condition, ne is not operated in or forecast icing ions, and rd cargo/aft baggage artment shutoff valves are lered inoperative. FM for Engine Airstart – nilling (Engine Airstart	
	(LINEAGE 1000)	С	2	0	be inoperative a) Both E secure b) APU E consid c) Flight unpres d) Airplar known conditi e) Forwa compa consid f) The Ai consid	Engine Bleed valves are ed closed, Bleed Shutoff Valve is lered inoperative, is conducted in an essurized condition, ne is not operated in a or forecast icing ions, rd cargo/aft baggage artment shutoff valves are lered inoperative, and uxiliary Fuel System is lered inoperative. FM for Engine Airstart – nilling (Engine Airstart	

U.S. DEPARTMENT OF TRANSPORTATION MASTER MINIMUM EQUIPMENT LI									
FEDERAL A	VIATION ADMINISTRATIO	N				·			
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ER	RJ-170, ERJ-190		DATE: 08/03/2017			36-10			
					E KEY				
SYSTEM &		1. F			ATEGORY				
SEQUENCE	ITEM		2. ľ		BER INSTALLE				
NO.				3. N		UIRED FOR DISPATCH OR EXCEPTIONS			
36. PNEUMA	ATIC:				4. INLIVIATINO	ON EXCEPTIONS			
Sequence No.	Item	1	2	3	4		Change Bar		
30-00	Ozone Converters				Deleted, Revi	sion 4.	Dai		
***	020110 00111011010				Bolotoa, Itovi	0.011 -1.			

	VIATION ADMINISTRATIO	1							
AIRCRAFT:		RE	VISIO	A NC	IO. 15	PAGE NO.			
ER	J-170, ERJ-190		DAT	E: 0	8/03/2017	38-1			
		_			E KEY				
SYSTEM &		1. F	I. REPAIR CATEGORY						
SEQUENCE	ITEM		2. NUMBER INSTALLED						
NO.				3.1		UIRED FOR DISPATCH			
38. WATER/\	NASTE	4. REMARKS OR EXCEPTIONS							
Sequence No.	Item	1	2	3	4		Chan		
		-				an anathra muardalad	Bar		
00-02	Water and Waste System Indications on Flight Attendant Panel (Except LINEAGE 1000)	D	11	0		operative provided edures are established	I		
10-00	Potable Water Systems	С	-	-	inoperative pr a) Associ deactive b) Associ	components may be ovided: iated components are vated or isolated, and iated components are d not to have leaks.			
					• •	ortion of the system which es normally may be used.			
		С	-	-	a) Syster b) Proced	operative provided: m is drained, and dures are established to e that system is not ed.			
11-03	Lavatory Infrared Sensors (LINEAGE 1000)	С	-	0	associated lav	operative provided vatory door(s) is secured acarded "INOPERATIVE – ER".	I		
11-14 ***	Cockpit In-Flight Drainage System	D	1	0	a) Aft Dra and b) Alterna	operative provided: ain Valve is deactivated, ate procedures are ished and used.			

U.S. DEPAR	TMENT OF TRANSPORTA	OIT	V				
	VIATION ADMINISTRATIO	N I			MASTE	R MINIMUM EQUIPMENT I	LIST
AIRCRAFT:	VIATION ADMINISTRATIO		/1010	7N N	O. 15	PAGE NO.	
	J-170, ERJ-190	KE				38-2	
LIX	.3-170, LIX3-190	ММ		ATE: 08/03/2017 38-2 TABLE KEY			
					CATEGORY		
SYSTEM & SEQUENCE	ITEM	2. NUMBER INSTALLED					
NO.	I I LIVI			3. N		UIRED FOR DISPATCH	
20 WATERA	MACTE				4. REMARKS	OR EXCEPTIONS	
38. WATER/\ Sequence No.	Item	1	2	3	4		Change
	Vacuum Waste	C	2	-		components may be	Bar
32-00	Systems	C	-	-	inoperative pr	components may be ovided:	
	Cyclomo					iated components are	
					deactiv	vated or isolated, and	
						iated system components	
					are ve	rified not to have leaks.	
					NOTE: Any po	ortion of the system which	
					operat	es normally may be used.	
		С	-	-	(M) Associate	d lavatory system(s) may	
					be inoperative		
						iated components are	
						vated or isolated to prevent	
					leaks,	and iated lavatory door(s) is	1
						ed closed and placarded,	i
					"INOP	ERATIVE –	
					DO NO	OT ENTER".	ı
					NOTF: These	provisions are not	
						ed to prohibit inspections	
					by cre	wmembers.	

U.S. DEPAR	TMENT OF TRANSPOR	TATIOI	N		MASTER MINIMUM EQUIPMENT	LIST			
FEDERAL A	VIATION ADMINISTRATI	ION			- · · · · · · · · · · · · · · · · ·				
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ER	J-170, ERJ-190		DAT	ΓΕ: 0	08/03/2017 38-3				
		MM	EL T	ABL	LE KEY				
SYSTEM & SEQUENCE	ITEM	1. F	$\overline{}$	MUN	CATEGORY IBER INSTALLED				
NO.			3. NUMBER REQUIRED FOR DISPATCH						
20 WATERA	MACTE		4. REMARKS OR EXCEPTIONS						
38. WATER/\	1								
Sequence No.	Item	1	2	3	4	Change Bar			
32-09	Vacuum Generator	A	1	0	May be inoperative powered on (running) continuously provided repairs are made within 1 flight day.				
		С	1	0	 (M) May be inoperative provided: a) Vacuum generator is deactivated, and b) Associated lavatory door(s) is secured closed and placarded "INOPERATIVE – DO NOT ENTER". NOTE: These provisions are not intended to prohibit inspections by crewmembers. 				
		С	1	0	 (M)(O) May be inoperative provided: a) Vacuum generator is deactivated, and b) Procedures are established and used to only allow use of the lavatory at or above 18,000 feet MSL. 				
34-01	Floor Drain System	C	-	0	 (M) May be inoperative provided the associated lavatory door(s) is secured closed and placarded "INOPERATIVE – DO NOT ENTER". NOTE: These provisions are not intended to prohibit inspections by crewmembers. 				

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	N		MASTE	R MINIMUM EQUIPMENT I	IST
FEDERAL A	VIATION ADMINISTRATIO	N			IVIASTE	R WIINIWOW EQUIPMENT	_101
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190		DATE: 08/03/2017 44-1				
					E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2. [BER INSTALLI	LU UIRED FOR DISPATCH	
NO.				3. 1		OR EXCEPTIONS	
44. CABIN S	YSTEMS	4. REMARKS OR EXCEPTIONS					
Sequence No.	Item	1	2	3	4		Change Bar
11-00	Passenger Address System (PA)	В	1	0	a) Alternative emergy operative estable b) Flight (audio normative)	operative provided: ate, normal, and ency procedures and/or ing restrictions are ished and used, and attendant alerting system and visual) operates ally. eation function(s) that the normally may be used.	
		С	1	0	a) PA no b) Alterna emerg operat establ	operative provided: t required by 14 CFR, and ate, normal, and ency procedures and/or ing restrictions are ished and used. tation function(s) that the normally may be used.	
12-01	Passenger Cabin Speakers	С	-	-	(M) May be in seat from which	operative provided any ch a passenger cannot passenger address at is blocked and placarded	
		С	-	0		rative provided ddress System is operative.	
12-02	Lavatory Speakers (Except LINEAGE 1000)	С	-	0		operative provided redures are established	

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	V		MASTE	R MINIMUM EQUIPMENT	LICT
FEDERAL A	VIATION ADMINISTRATIO	N			MASTE	IN MIMIMOM EQUIPMENT	LIST
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190		DAT	ΓE: 0	8/03/2017	44-2	
		MM	EL T	ABL	E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY		
SEQUENCE	ITEM		2. 1		BER INSTALLI	ED UIRED FOR DISPATCH	
NO.				3. I		OR EXCEPTIONS	
44. CABIN S	YSTEMS				T. P. LEWING CO.	OKEXOLITIONO	
Sequence No.	Item	1	2	3	4		Change Bar
13-00	Cabin Service Interphone System						
-01	Cabin to Cabin Function	В	-	0	alternate com between the a stations are e NOTE: Any st	operative provided munication procedures affected flight attendant stablished and used. cation function(s) that the normally may be used.	
		В	-	_	(O) May be in a) Cabin function least 5 and b) Alternation proceed flight a establic NOTE: Any st	operative provided: to cabin interphone ons operate normally on at 50% of the cabin handsets, atte communication dures between the affected attendant stations are ished and used. cation function(s) that the normally may be used.	

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	N		NAAOTE		LOT	
FEDERAL A	VIATION ADMINISTRATIO	N			IVIAS I E	R MINIMUM EQUIPMENT I	LIO I	
AIRCRAFT:		RE'	VISIO	ON N	PAGE NO.			
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					E KEY			
SYSTEM &		1. F			CATEGORY	-n		
SEQUENCE	ITEM		2. 1		BER INSTALLE	UIRED FOR DISPATCH		
NO.				J. 1		OR EXCEPTIONS		
44. CABIN S	YSTEMS			ı				
Sequence No.	Item	1	2	3	4		Change Bar	
13-01	Flight Attendant Handsets							
-01	All Models (Except LINEAGE 1000)	В	-	-	a) 50% o norma b) Alterna proced flight a establi NOTE 1: An o inope shall the 5 NOTE 2: Any oper used	operative provided: If cabin handsets operate Illy, and Interest between the affected Interest b		
-02	(LINEAGE 1000)	В			14 CFR may b	be inoperative.		

U.S. DEPAR	TMENT OF TRANSPORTA	OITA	٧		MΔSTE	R MINIMUM EQUIPMENT	LIST
FEDERAL A	VIATION ADMINISTRATIO	N			WII/ (OT L	IN WINNING WE GOT WEINT	
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190	DATE: 08/0			8/03/2017	44-4	
		MM	EL T	ABL	E KEY		
SYSTEM &		1. REPAIR CATEGORY					
SEQUENCE	ITEM		2.1		BER INSTALL		
NO.				3.1		UIRED FOR DISPATCH OR EXCEPTIONS	
44. CABIN S	VSTEMS				4. KEIVIAKKS	OR EXCEPTIONS	
Sequence No.	Item	1	2	3	4		Change
13-07		•	_		7		Bar
13-07	Flight Attendant Alerting System (Except LINEAGE 1000)						I
-01	Flight Attendant Call Lights (Rainbow Lights)	В		0	a) PA system b) If affect lavator an alter (audio operated) c) Alternation contact establic NOTE 1: Passes system Non-Furn NOTE 2: Any functions	operative provided: stem operates normally, cted light is used for ry smoke detector alerting, ernate lavatory smoke alert or visual) is installed and es normally, and ate procedures for cting flight attendants are ished and used. senger to attendant call em is considered -Essential Equipment and aishing (NEF). visual alerting system tion(s) that operates hally may be used.	
					(Continued)		

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	N		MACTE		LICT
FEDERAL A	VIATION ADMINISTRATIO	N			MASTE	R MINIMUM EQUIPMENT	LIST
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	RJ-170, ERJ-190		DAT	ΓE: 0	8/03/2017	44-5	
		_			E KEY		
SYSTEM &		1. 1			CATEGORY BER INSTALLI	FD .	
SEQUENCE NO.	ITEM					UIRED FOR DISPATCH	
W 50 M 50 T				9,000	4. REMARKS	OR EXCEPTIONS	
44. CABIN S	YSTEMS		1				l o
Sequence No.	Item	1	2	3	4		Change Bar
13-07	Flight Attendant Alerting System (Except LINEAGE 1000) (Cont'd)						I
-02	Flight Attendant Chime	В	-	0	a) PA system b) If affect lavator an alter (audio operated) c) Alternation contact establic NOTE 1: Passes system Non-Furn NOTE 2: Any functions	operative provided: stem operates normally, cted chime is used for ry smoke detector alerting, crnate lavatory smoke alert or visual) is installed and ces normally, and ate procedures for cting flight attendants are ished and used. senger to attendant call em is considered -Essential Equipment and hishing (NEF). visual alerting system tion(s) that operates hally may be used.	
20-01 ***	In-Flight Entertainment System (IFE) Maintenance Panels (Except LINEAGE 1000)	D	2	0	alternate proc and used. NOTE: Any po	operative provided sedures are established ortion of the system which ses normally may be used.	I
20-03	IFE System Reset Switch on IFE Flight Attendant Control Panel (Except LINEAGE 1000)	D	1	0		operative provided redures are established	l

U.S. DEPAR	TMENT OF TRANSPORT	ATIOI	N			
FEDERAL A	VIATION ADMINISTRATIO	N_			MASTER MINIMUM EQUIPMENT LIS) l
AIRCRAFT:		RE'	VISIO	A NC	NO. 15 PAGE NO.	
ER	J-170, ERJ-190		DAT	ΓΕ: 0	08/03/2017 44-6	
		MM	EL T	ABL	LE KEY	
SYSTEM &		1. F			CATEGORY	
SEQUENCE	ITEM		2.1		MBER INSTALLED	
NO.				3. ľ	NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS	
44. CABIN S	YSTEMS			<u> </u>	4. KEMAKKO OK EXCELLIONS	
Sequence No.	Item	1	2	3		ange Bar
32-08	In-Flight Connectivity	D	1	0	(O) May be inoperative provided	Dai
***	System Reset Switch		•		alternate procedures are established and used.	
51-00 ***	Cabin Surveillance System (CSS)	A	1	0	(O) May be inoperative provided:a) Alternate procedures are established and used, andb) Repairs are made within 3 flight days.	
		С	1	0	 (O) May be inoperative provided: a) A peephole is installed and operates normally, and b) Alternate procedures are established and used. 	
		D	1	0	(M) May be inoperative provided: a) System is deactivated, and b) CSS is not required by 14 CFR.	
-01	Video Unit	D	1	0	May be inoperative provided it is not required by local regulations.	
-02	Video Cameras	D	3	0	May be inoperative provided it is not required by local regulations.	
					NOTE: Any portion of the system which operates normally may be used.	

U.S. DEPAR	TMENT OF TRANSPORTA	OIT	V		MASTE	R MINIMUM EQUIPMENT	LIST
FEDERAL A	VIATION ADMINISTRATIO	N					
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ER	RJ-170, ERJ-190		DAT	E: 0	2/12/2008	45-1	
					E KEY		
SYSTEM &		1. F	$\overline{}$		CATEGORY	-D	
SEQUENCE	ITEM		2. 1		BER INSTALLE	UIRED FOR DISPATCH	
NO.				3.1		OR EXCEPTIONS	
45. CENTRA	L MAINTENANCE SYSTE	M			1.112	01(2/(02) 110110	
Sequence No.	Item	1	2	3	4		Change Bar
45-01	Central Maintenance Computer (CMC)	С	1	0	May be inoped do not require	rative provided procedures its use.	
45-03 ***	Data-Loader Management Unit (DMU)	С	1	0		operative provided edures are established	
		D	1	0	May be inoped do not require	rative provided procedures its use.	
45-04	Database (DB) Module	С	1	0		operative provided sedures are established	
		D	1	0	May be inoped do not require	rative provided procedures its use.	
45-05	Local Area Network (LAN)	С	1	0	May be inoped do not require	rative provided procedures its use.	
					softwa will no	ng, installing, or restoring a are application or database to the enance personnel.	

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	V				
	//ATION ADMINISTRATIO				MASTE	R MINIMUM EQUIPMENT	LIST
FEDERAL AV	VIATION ADMINISTRATIO		/ICI	761.6	IO. 13	PAGE NO.	
	J-170, ERJ-190	KE			1/26/2016	46-1	
LN	J-170, ENJ-190	ММ			E KEY	40-1	
		_			CATEGORY		
SYSTEM & SEQUENCE	ITEM				BER INSTALLE	ED	
NO.	I I CIVI			3.1		UIRED FOR DISPATCH	
89 (0 N/S) (17)	ATION OVOTENO				4. REMARKS	OR EXCEPTIONS	
	ATION SYSTEMS	1	2	3	4		Change
Sequence No.	Floatronia Flight Bog	1	2	3	4		Bar
21-00 ***	Electronic Flight Bag Systems (EFBs)						
-01 ***	Data Connectivity (Class 2)	С	-	-		operative provided edures are established	
		D	-	0	May be inoped do not require	rative provided procedures its use.	
-02 ***	Power Connection (Class 1 and 2)	С	-	-		operative provided edures are established	
		D	-	0	May be inoped do not require	rative provided procedures its use.	
-03 ***	Mounting Device (Class 2)	С	-	0	a) Associ secure or rem b) Alterna	e inoperative provided: iated EFB and hardware is ed by an alternate means loved from the aircraft, and ate procedures are ished and used.	
		D	-	0	a) Associ secure or rem	operative provided: iated EFB and hardware is ed by an alternate means loved from the aircraft, and dures do not require its	
41-00 ***	Prerecorded Passenger Announcement System	С	-	0		operative provided redures are established	
		D	-	0	May be inoped do not require	rative provided procedures its use.	

U.S. DEPARTMENT OF TRANSPORTA	ATIOI	V			
FEDERAL AVIATION ADMINISTRATION	N			MASTER MINIMUM EQUIPMENT I	LIST
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ERJ-170, ERJ-190		DAT	E: 1	11/10/2010 49-1	
				LE KEY	
SYSTEM &	1. F			CATEGORY	
SEQUENCE ITEM		2.1		MBER INSTALLED NUMBER REQUIRED FOR DISPATCH	
NO.			0. 1	4. REMARKS OR EXCEPTIONS	
49. AIRBORNE AUXILIARY POWER		,			
Sequence No. Item	1	2	3	4	Change Bar
00-00 Auxiliary Power Unit (APU)	С	1	0	(M)(O) Except for ER operations, may be inoperative provided: a) APU is deactivated, and b) Procedures are not dependent on its use.	
61-00 APU Master Knob	С	1	0	(O) Except for ER operations, knob detents may be inoperative provided the APU is used on-ground only.	
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FEDERAL A	VIATION ADMINISTRATIO	N			WIXOTE	TO MINIMONI EQUIT MEIVE	
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
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		ММ	EL T	ABL	E KEY		
SYSTEM &		1. F	REPA	AIR (CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALLE		
NO.	TT EIVI			3.1		JIRED FOR DISPATCH	
50 OADOO	AND ACCEDOODY COMP	ADT			4. REMARKS	OR EXCEPTIONS	
	AND ACCESSORY COMP		1		Ι.		Change
Sequence No.	ltem (D	1	2	3	4		Bar
22-01	Cargo/Baggage Door Nets	С	2	0	provided adjac	operative or missing cent Cargo Nets are he associated section /.	
		С	2	0		ative or missing provided go compartment remains	
22-02 ***	(Except LINEAGE 1000)	A	-	-	a) Acceptation from ar (i.e., ar Manual Docum b) Repairs comple mainter NOTE: This ite constration that exiloading ensure person	ative or missing provided: able cargo loading limits in approved source in Approved Cargo Loading I or Weight and Balance tent) are observed, and is are made prior to the etion of the next heavy nance visit. The does not intend to the intended to the tion of the next heavy ists regarding cargo is systems. It is intended to that all appropriate nel are involved in the nmaking process for the intended to the the inmaking process for the intended to the intend	
	Cargo/Baggage Nets	D	-	-		ative or missing provided go/baggage section /.	
31-00	Cargo Compartment Linings	С	-	0		ged or missing provided go compartment remains	

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FEDERAL A	VIATION ADMINISTRATIO	N			MAGTE	.it iminimom EQOII imenti	_101
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					E KEY		
SYSTEM &		1. F			CATEGORY		
SEQUENCE	ITEM		2. 1		BER INSTALLI		
NO.				3. ľ		UIRED FOR DISPATCH OR EXCEPTIONS	
50. CARGO	AND ACCESSORY COMP	ART	MEN	TS	4. INDIVINIO	OK EXCELLIONS	
Sequence No.	Item	1	2	3	4		Change Bar
32-06	Blow-Out Panels	C	-	0	procedures and ensure the assert remains empty only empty can ballast (ballast and/or Fly Away NOTE: Operation which inclusion	itor MELs must define items are approved for ion in the Fly Away Kits hich materials can be used	
00-31	Aft Baggage Door Emergency Opening System (LINEAGE 1000)	С	1	0			

U.S. DEPAR	TMENT OF TRANSPORTA	TIOI	N		MASTER M	IINIMUM EQUIPMENT L	IST		
FEDERAL A	VIATION ADMINISTRATIO	N			WAOTERW	IIIVIIVIOW EQUI WENT	_101		
AIRCRAFT:		RE'	VISIO	N NC	O. 15 PA	GE NO.			
ER	J-170, ERJ-190		DAT	E: 0	8/03/2017	52-1			
				TABLE KEY					
SYSTEM &		1. F			CATEGORY				
SEQUENCE	ITEM		2.1		BER INSTALLED	ED FOR DISPATCH			
NO.				J. 1	4. REMARKS OR				
52. DOORS									
Sequence No.	Item	1	2	3	4		Change Bar		
30-00	Cargo Compartment Doors	С	2	0	is empty of only empty equipment be loaded Away Kits, b) Affected can closed, late before each NOTE: Operator Management of the inclusion in only empty of the only end of the only empty of the	d cargo compartment in is verified to contain y cargo handling t, ballast (ballast may in ULDs), and/or Fly, and argo door is verified ched, and locked ch flight. MELs must define is are approved for in the Fly Away Kits materials can be used			
30-20	Forward and Aft Cargo Compartment Door Gas Spring Actuators	С	4	2		Actuator per door may missing provided Bellcrank and	-		
		В	4	0	held open, b) Alternate p established	rified capable of being			
		С	4	0		re provided affected nt door is not used.			
30-22	Forward and Aft Cargo Compartment Door Actuator Bellcranks	С	4	2	damaged or missi	crank per door may be ing provided opposite tor and Actuator Rod			
30-24	Forward and Aft Cargo Compartment Door Actuator Rods	С	4	2	One Actuator Rod damaged or missi				

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ER	J-170, ERJ-190		DAT	E: 0	8/03/2017 52-2	
		ММ	EL T	ABL	E KEY	
OVOTENA O		_			CATEGORY	
SYSTEM & SEQUENCE	ITEM		2.1	MUŅ	BER INSTALLED	
NO.	I I LIVI			3. 1	NUMBER REQUIRED FOR DISPATCH	
100000000000000000000000000000000000000					4. REMARKS OR EXCEPTIONS	
52. DOORS	T.	1	1	1		Chan
Sequence No.	Item	1	2	3	4	Chang Bar
31-20	Fwd (Aft) Cargo Door Green Indicators	С	8	0	 (O) Green latch and lock indicators may be missing provided: a) Affected door and its handle are verified completely flush with fuselage skin before each flight, and b) EICAS message DOOR CRG FWD (AFT) OPEN is operative. 	
		С	4	0	 (O) Green latch indicators may be missing provided: a) Affected door and its handle are verified completely flush with fuselage skin before each departure, and b) Associated lock (inner markings) indicators are present and checked green before each flight. 	
31-28	Forward and Aft Cargo Door Closing Rods	С	2	0	(M) May be inoperative or missing provided alternate procedures are established and used.	
		D	2	1	(M) May be inoperative or missing provided alternate procedures are established and used.	

SYSTEM & SEQUENCE NO. 52. DOORS Sequence No. 51-00 ***	ITEM Item Cockpit Security Door Automatic Locking System	ММ	DAT EL T	E: 0 ABL AIR (PAGE NO. 8/03/2017 52-3 E KEY CATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS (M)(O) May be inoperative provided: a) Automatic locking system is	Change Bar
SYSTEM & SEQUENCE NO. 52. DOORS Sequence No. 51-00	ITEM Item Cockpit Security Door Automatic Locking	1. F	EL T REP/ 2. I	ABL AIR (NUM 3. N	E KEY CATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 4 (M)(O) May be inoperative provided:	
SEQUENCE NO. 52. DOORS Sequence No. 51-00	Item Cockpit Security Door Automatic Locking	1. F	2. P	AIR (NUM 3. 1	DATEGORY BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 4 (M)(O) May be inoperative provided:	
SEQUENCE NO. 52. DOORS Sequence No. 51-00	Item Cockpit Security Door Automatic Locking	1	2. 1	3. ľ	BER INSTALLED NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 4 (M)(O) May be inoperative provided:	
SEQUENCE NO. 52. DOORS Sequence No. 51-00	Item Cockpit Security Door Automatic Locking		2	3. 1	4 (M)(O) May be inoperative provided:	
52. DOORS Sequence No. 51-00	Cockpit Security Door Automatic Locking			3	4 (M)(O) May be inoperative provided:	
Sequence No. 51-00	Cockpit Security Door Automatic Locking				(M)(O) May be inoperative provided:	
Sequence No. 51-00	Cockpit Security Door Automatic Locking				(M)(O) May be inoperative provided:	
51-00	Automatic Locking	A	1		(M)(O) May be inoperative provided:	Ваг
					deactivated, b) Mechanical Latch operates normally and is used to lock the door, c) Alternate procedures are established and used for locking and unlocking the flight deck door using the Mechanical Latch, and d) Repairs are made within 2 flight days.	
-01	Mechanical Latch	С	1	0	May be inoperative provided automatic locking system operates normally.	
-02	Cockpit Door Control Panel					
-A	LOCK Pushbutton	A	1	0	May be inoperative provided: a) Cockpit Security Door Automatic Locking System is considered inoperative, and b) Repairs are made within 2 flight days.	
-B	LOCK Pushbutton Light	В	1	0		
-c	INHIB Pushbutton	A	1	0	May be inoperative provided: a) Cockpit Security Door Automatic Locking System is considered inoperative, and b) Repairs are made within 2 flight days.	
-D	INHIB Pushbutton Light	В	1	0		
-E	UNLOCKED Annunciator ON Light	В	1	0	 (O) May be inoperative provided: a) Door Chime operates normally, and b) Alternate procedures are established and used. 	

U.S. DEPAR	TMENT OF TRANSPORTA	IOITA	N		MASTE	R MINIMUM EQUIPMENT	LICT
FEDERAL A	VIATION ADMINISTRATIO	N			IVIAOTE	.IX IVIIINIIVIOIVI EQUIFIVIENT	LIGI
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190		DAT	E: 0	8/03/2017	52-4	
		ММ	EL T	ABL	E KEY		
SYSTEM &		1. F			CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALLI		
NO.				3.1		UIRED FOR DISPATCH	
52. DOORS					4. KEWAKKS	OR EXCEPTIONS	
Sequence No.	Item	1	2	3	4		Change
51-00	Cockpit Security Door	•	_				Bar
***	Automatic Locking System (Cont'd)						
-03	Flight Attendant Cockpit Door Control Panel						
-A	Emergency Call Pushbutton	В	1	0		operative provided edures are established	
-В	Emergency Call Pushbutton Light	В	1	0		operative provided edures are established	
-C	Door Opening Sequence Inhibited Red Light	В	1	0		operative provided sedures are established	
-D	Door Unlocked Green Light	В	1	0		operative provided sedures are established	
-04	Maintenance Lock	D	1	0			
			L	L.			

AIRCRAFT:	VIATION ADMINISTRATIO		VISIO	A NC	IO. 15 PAGE NO.	
ER	J-170, ERJ-190		DAT	ΓE: 0	8/03/2017 52-5	
		ММ	EL T	ABL	E KEY	
SYSTEM &		1. F	$\overline{}$		CATEGORY	
SEQUENCE	ITEM		2.1		BER INSTALLED	
NO.				3.1	NUMBER REQUIRED FOR DISPATCH	
E2 DOODS					4. REMARKS OR EXCEPTIONS	
52. DOORS	ltom.	1	2	3		Chan
Sequence No.	Occident Described				4	Bar
51-01	Cockpit Door Peephole	Α	1	0	 (O) May be inoperative provided: a) Alternate procedures are established and used, and b) Repairs are made within 3 flight days. 	
		С	1	0	(O) May be inoperative provided: a) Cabin Surveillance System (CCS) is installed and operates normally, and b) Alternate procedures are established and used.	
60-00 ***	Airstair	D	1	0	May be inoperative provided it is correctly stowed and locked for flight.	
					NOTE: Any mode that operates normally may be used.	
70-00	Door Position Indications on MFD and Associated EICAS Messages	С	-	0	(M)(O) May be inoperative provided affected door is verified closed, latched, and locked before each flight.	

	TMENT OF TRANSPORTA	_	N		MASTE	R MINIMUM EQUIPMENT	LIST
	VIATION ADMINISTRATIO				10. 45	DAGENG	
AIRCRAFT:	1.470 ED 1.400	KE			IO. 15	PAGE NO.	
ER	J-170, ERJ-190				8/03/2017	52-6	
SYSTEM & SEQUENCE NO.	ITEM		REP/	AIR (NUM		ED UIRED FOR DISPATCH OR EXCEPTIONS	
52. DOORS				<u> </u>	4. P(EM) ((Y)	OK EXOLI HORO	
Sequence No.	Item	1	2	3	4		Change Bar
70-01	Passenger and Service Doors Indicators						- Bui
-01	Door Latch Visual Indicators	С	4	3	a) Affected latched flight, b) Latch operated c) Both doindicated operated NOTE: The D (AFT)	e inoperative provided: ed door is verified closed, d, and locked before each mechanism is verified to e normally, and loor locked visual fors on the affected door e normally. OOR PAX (SERV) FWD OPEN Warning EICAS age may be displayed.	I
-02	Door Locked Visual Indicators	C	8	4	inoperative pr a) Affected latched flight, b) Door late affected and c) Latched operate NOTE: The D (AFT)	n each door may be ovided: ed door is verified closed, d, and locked before each atch visual indicator on the ed door operates normally, mechanism is verified to be normally. OOR PAX (SERV) FWD OPEN Warning EICAS age may be displayed.	
					(Continued)		

	TMENT OF TRANSPORTA		N		MASTER MINIMUM EQUIF	PMENT LIST
FEDERAL A	VIATION ADMINISTRATIC	N				
AIRCRAFT:		RE'	VISIO	N NC	IO. 15 PAGE NO.	
ER	RJ-170, ERJ-190		DAT	E: 0	8/03/2017 52-7	
		MM	EL T	ABL	E KEY	
SYSTEM &		1. F			CATEGORY	
SEQUENCE	ITEM		2.1		BER INSTALLED	
NO.				3.1	NUMBER REQUIRED FOR DISPA	
50 DOODS					4. REMARKS OR EXCEPTIONS	
52. DOORS	14	T 4	Ι .	_	1.	Change
Sequence No.	Item	1	2	3	4	Bar
70-01	Passenger and Service Doors Indicators (Cont'd)					
-03	Escape Slide ARMED/DISARMED Indicators	С	4	3	 (M)(O) May be inoperative provided a) Indicator is covered to obse ARMED/DISARMED sign, b) Girt bar indication is verified operate normally, and c) Alternate procedures are established and used to in the Escape Slide status to crew. 	ed to dicate
-04	Girt Bar Escape Slide Indicators	С	4	3	(M)(O) May be inoperative provided a) Escape Slide ARMED/DISARMED indiction verified to operate normall b) Girt bar is verified to operate normally.	ation is y, and
70-02	Internal door Warning System (LINEAGE 1000)	С	1	0	(M) May be inoperative provided to internal doors are secured open.	he

U.S. DEPAR	TMENT OF TRANSPORTA	ATIOI	N		MASTE	ER MINIMUM EQUIPMENT	LICT
FEDERAL A	VIATION ADMINISTRATIO	N			MASTE	IN MINIMON EQUIPMENT	LIST
AIRCRAFT:		RE'	VISIO	A NC	PAGE NO.		
ER	RJ-170, ERJ-190		DAT	ΓE: 0	8/03/2017	73-1	
					E KEY		
SYSTEM &		1. F			CATEGORY BER INSTALLI	ED	
SEQUENCE	ITEM		2.1			UIRED FOR DISPATCH	
NO.				0		OR EXCEPTIONS	
73. ENGINE	FUEL AND CONTROL						
Sequence No.	Item	1	2	3	4		Change Bar
21-01	Engine Full Authority Digital Electronic Control (FADEC) System						
-01	System Faults	A	-	-	faults provide accordance w by the engine the airworthin Engine Manus GEK 112031 GEK 112081	ispatched with system d repairs are made in with times established manufacturer in less section of the al (ERJ-170-100/200) or (ERJ-190-100/200). s are authorized.	
21-15	ENG 1(2) FUEL IMP BYPASS Caution EICAS Messages						
	(EMBRAER 170/175)	С	2	1	visual inspect	be inoperative provided tion is performed before ensure that there is no fuel	
	(EMBRAER 190/195/ LINEAGE 1000)	С	2	1		be inoperative provided el filter is changed once y.	
21-17	T2 Sensor Heaters (EMBRAER 170/175)	В	2	1	a) Öne lo operat b) Airplar	noperative provided: ce Detection System is tive, and ne is not operated in n or forecast icing ions.	Ι
31-01	Fuel Low Pressure Switches	С	2	0	associated Fu selected ON o	noperative provided uel AC Pump remains during the entire flight fuel crossfeed is required.	
31-07	ENG 1(2) FUEL LO PRESS Caution EICAS Messages	С	2	0	associated Fu selected ON o	operative provided uel AC Pump remains during the entire flight fuel crossfeed is required.	

REVISION NO. 4	U.S. DEPARTMENT OF TRANSPORT	ATIO	N		MASTE	R MINIMUM EQUIPMENT LIST
DATE: 07/25/2006 74-1	FEDERAL AVIATION ADMINISTRATION	N				
NO. Sequence No. Item 1 2 3 4 Channels Channels Channels Channels Carter C	AIRCRAFT:	RE				PAGE NO.
1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 4. REMARKS OR EXCEPTIONS 5. Sequence No. 1 2 3 4 Chang Bar 5. Sequence No. 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 5. Sequence No. 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 6. Sequence No. 1 2 3 4 Chang Bar 1. REPAIR CATEGORY 2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 5. Sequence No. 1 2 3 4 Chang Bar 5. Sequence No. 1 2 3 4 Chang Bar 5. Sequence No. 1 5. Sequence No.	ERJ-170, ERJ-190		DAT	E: 0	7/25/2006	74-1
2. NUMBER INSTALLED 3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 4. REMARKS OR EXCEPTIONS 5 5 5 6 6 6 6 6 6 6						
3. NUMBER REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS 74. IGNITION Sequence No. Item 1 2 3 4 Channels Deleted, Revision 4. (Included in	SYSTEM &	1. 1				-D
74. IGNITION Sequence No. Item 1 2 3 4 Chang Bar Deleted, Revision 4. (Included in			2.1			
74. IGNITION Sequence No. Item 1 2 3 4 Channels 00-00 Ignition Channels Deleted, Revision 4. (Included in	NO.			J. 1		
00-00 Ignition Channels Deleted, Revision 4. (Included in	74. IGNITION					
	Sequence No. Item	1	2	3	4	Change Bar
		1	2	3	Deleted, Revis	sion 4. (Included in

U.S. DEPART	TMENT OF TRANSPORTA	OITA	N		MASTE	R MINIMUM EQUIPMENT LIST
	/IATION ADMINISTRATIO					
AIRCRAFT:		RE'			O. Original	PAGE NO.
ER.	J-170, ERJ-190				2/16/2003	77-1
-					E KEY	
SYSTEM &		1. F			CATEGORY BER INSTALLE	=D
SEQUENCE	ITEM		2. 1			UIRED FOR DISPATCH
NO.				• • •		OR EXCEPTIONS
77. ENGINE I	NDICATING					
Sequence No.	Item	1	2	3	4	Chang Bar
31-00	HP Vibration Indications on EICAS	C	2	1		Def

FEDERAL A	VIATION ADMINISTRATIO	NC			MACIL	R MINIMUM EQUIPMENT	_,0,1
AIRCRAFT:		RE'	VISIO	N NC	IO. 10	PAGE NO.	
ER	RJ-170, ERJ-190		DAT	ΓE: 0	8/20/2012	78-1	
		MM	EL T	ABL	E KEY		
SYSTEM &		1. F	REP/	AIR (CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALL		
NO.				3.1		UIRED FOR DISPATCH	
78. ENGINE EXHAUST							
Sequence No.	Item	1	2	3	4		Chang
30-00	Thrust Reverser	C	2	1		nay be inoperative	Bar
30-00	Systems		2	•	provided: a) Affected in the and and b) Appropriate the provided in the and and and areas are and are are are are are are are are are are	ed thrust reverser is locked forward thrust position, priate performance ies are applied.	
34-04	ENG 1(2) REV DEPLOYED Warning EICAS Message	С	2	1	provided: a) Affected in the and and b) Appropriate the and and and and and and and and and and	nay be inoperative ed thrust reverser is locked forward thrust position, priate performance ies are applied.	
34-06	ENG 1(2) REV PROT FAULT Caution EICAS Message	С	2	1	provided: a) Affected in the and and b) Appropriate the and and and and and and and and and and	nay be inoperative ed thrust reverser is locked forward thrust position, priate performance ies are applied.	
34-08	ENG 1(2) REV FAIL Caution EICAS Message	С	2	1	provided: a) Affected in the and and b) Appropriate the provided in the and and and and areas are and are are are are are are are are are are	nay be inoperative ed thrust reverser is locked forward thrust position, priate performance ies are applied.	

U.S. DEPAR	RTMENT OF TRANSPORTA	TIOI	N		MARTE	R MINIMUM EQUIPMENT L	ICT
FEDERAL A	VIATION ADMINISTRATIO	N			IVIASTE	R WIINIWOW EQUIPMENT L	_101
AIRCRAFT:		RE'	VISIO	ON N	IO. 10	PAGE NO.	
EF	RJ-170, ERJ-190		DAT	E: 0	8/20/2012	78-2	
		MM	EL T	ABL	E KEY		
SYSTEM & SEQUENCE	ITEM	1. F		MUN	CATEGORY BER INSTALLE NUMBER REQI	ED UIRED FOR DISPATCH	
NO.				0. 1		OR EXCEPTIONS	
78. ENGINE	EXHAUST	-			1		
Sequence No.	Item	1	2	3	4		Change Bar
34-10	ENG 1(2) REV TLA FAIL Caution EICAS Message	С	2	1	provided: a) Affects in the and b) Appropriate	nay be inoperative ed thrust reverser is locked forward thrust position, priate performance ies are applied.	
34-12	ENG 1(2) REV INHIBIT Status EICAS Message	С	2	1	provided: a) Affects in the and b) Appropriate	ed thrust reverser is locked forward thrust position, priate performance ies are applied.	

J-170, ERJ-190	RE	VISIO	N NC	O. 15 PAGE NO.	
J-170, ERJ-190			J. 1 IV	O. 15 TAGE NO.	
		DAT	ΓE: 0	8/03/2017 79-1	
	MM	EL T	ABL	E KEY	
	1. F	REP/	AIR (CATEGORY	
ITEM		2.1		BER INSTALLED	
			3.1		
Oll				4. REMARKS OR EXCEPTIONS	
	T .		T _	I .	Chang
					Bar
Oil Quantity Indications on MFD	C	4	2	 (M)(O) Except for ER operations, indications from one engine may be inoperative provided: a) Oil quantity is serviced before each flight, and b) Oil Pressure Indication is available and is monitored throughout the flight. 	
Oil Tank Oil Level Indicators (EMBRAER 170/175)	С	2	0	(M) May be inoperative provided alternate procedures are established and used to verify oil level when servicing is performed.	I
ENG 1(2) OIL LO LEVEL Caution EICAS Message	С	2	1	 (M)(O) One may be inoperative provided: a) Oil quantity is serviced before each flight, and b) Oil Pressure Indication is available and is monitored throughout the flight. 	
Low Oil Pressure Switch (Pre-Mod. Epic Load 21.2)	С	2	1	 (O) One may be inoperative provided: a) Oil Pressure Indication is available and is monitored throughout the flight, and b) ENG 1(2) OIL LO PRESS warning EICAS message on the opposite engine operates normally. 	
(Load 25.3 and on, Except Epic Load 25.4)	С	2	0	May be inoperative provided oil pressure indication is available.	
	OIL Item Oil Quantity Indications on MFD Oil Tank Oil Level Indicators (EMBRAER 170/175) ENG 1(2) OIL LO LEVEL Caution EICAS Message Low Oil Pressure Switch (Pre-Mod. Epic Load 21.2) (Load 25.3 and on,	OIL Item 1 Oil Quantity Indications on MFD Oil Tank Oil Level Indicators (EMBRAER 170/175) ENG 1(2) OIL LO LEVEL Caution EICAS Message Low Oil Pressure Switch (Pre-Mod. Epic Load 21.2) (Load 25.3 and on, C	OIL Item 1 2 Oil Quantity Indications on MFD Oil Tank Oil Level Indicators (EMBRAER 170/175) ENG 1(2) OIL LO LEVEL Caution EICAS Message Low Oil Pressure Switch (Pre-Mod. Epic Load 21.2) (Load 25.3 and on, C 2	OIL Item	OIL Item 1 2 3 4 Oil Quantity Indications on MFD Oil Tank Oil Level Indicators (EMBRAER 170/175) ENG 1(2) OIL LO LEVEL Caution EICAS Message C 2 1 (M)(O) Except for ER operations, indications from one engine may be inoperative provided: a) Oil quantity is serviced before each flight, and b) Oil Pressure Indication is available and is monitored throughout the flight. C 2 1 (M)(O) One may be inoperative provided and used to verify oil level when servicing is performed. ENG 1(2) OIL LO LEVEL Caution EICAS Message C 2 1 (M)(O) One may be inoperative provided: a) Oil quantity is serviced before each flight, and b) Oil Pressure Indication is available and is monitored throughout the flight. Low Oil Pressure Switch (Pre-Mod. Epic Load 21.2) C 2 1 (O) One may be inoperative provided: a) Oil Pressure Indication is available and is monitored throughout the flight, and b) ENG 1(2) OIL LO PRESS warning EICAS message on the opposite engine operates normally. (Load 25.3 and on, C 2 0 May be inoperative provided oil pressure

II S DEDAD	TMENT OF TRANSPORTA	TIO	NI .				
U.S. DEPAR	TWENT OF TRANSPORTA	(TIOI	V		MASTE	R MINIMUM EQUIPMENT I	IST
FEDERAL A	VIATION ADMINISTRATIO	N			10.0 10 12		
AIRCRAFT:		RE'	VISIO	N NC	IO. 15	PAGE NO.	
ER	J-170, ERJ-190		DAT	E: 0	8/03/2017	79-2	
		ММ	EL T	ABL	E KEY		
SYSTEM &		1. F	REP/	AIR C	CATEGORY		
SEQUENCE	ITEM		2.1		BER INSTALL		
NO.	TT ZIVI			3. 1		UIRED FOR DISPATCH	
70 ENGINE	Oll				4. REMARKS	OR EXCEPTIONS	
79. ENGINE		l <u>,</u>	T .		T.		Change
Sequence No.	Item	1	2		4		Bar
33-09	ENG 1(2) OIL LO PRESS Warning EICAS Message (Pre-Mod. Epic Load 21.2)	С	2	1	Oil Pressure I	be inoperative provided ndication is available and hroughout the flight.	
34-07	ENG 1(2) OIL IMP BYPASS Advisory EICAS Message	C	2	1	a) ENG 1 Mainte confirr MFD E before b) Oil filte preser	be inoperative provided: I(2) CHIP DETECTED enance Message is ned not present on Engine Maintenance Page each flight, and er is inspected for nce of contaminants once light day.	

U.S. DEPAR	TMENT OF TRANSPORTA	1OIT	1				
FEDERAL A	VIATION ADMINISTRATIO	N			MASTER MINIMUM EQUIPM	ENIL	JST
AIRCRAFT:		RE'	VISIC	ON N	NO. 12a PAGE NO.		
ER	J-170, ERJ-190		DAT	E: 1	12/12/2014 80-1		
, é					LE KEY		
SYSTEM &		1. F			CATEGORY		
SEQUENCE	ITEM		2. N		IBER INSTALLED NUMBER REQUIRED FOR DISPATO	211	
NO.				3. r	4. REMARKS OR EXCEPTIONS	<u> ЛП</u>	
80. STARTIN	G				4. KEWAKKO OK EXCEL HONO		
Sequence No.	Item	1	2	3	4		Change Bar
10-01	Starter Control Valve (SCV)	С	2	1	(M)(O) One may be inoperative proving manual override starting procedures used.	s are	
					NOTE: See AFM for windmilling star associated engine.	rt on	
10-05	Engine Start/Stop Switch Cover	С	2	0			
		,					
		,					
		,					
		,					
		,					
		1	1 1				